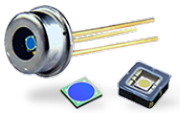
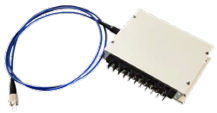
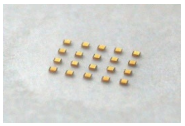
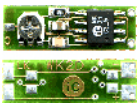
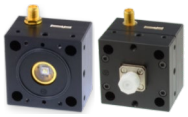
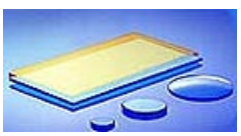
| EUR | USD |
|---|---|
| 1 | 1,186 |

2026.02.17

# PRICE LIST 02/2026

| | | | |
|---|---|---|---|
| Laser Diodes | LEDs | Laser Modules |  Photodiodes |
| LD - Pigtailed | LEDs - High Power | Laser Systems | PD Amplifiers |
|  LD - Pigtailed HHL | LEDs - High Power Arrays | Laser Pointers | PD Bare Dies |
|  LD Bare Dies | VCSELs | Laser Module Accessories | |
| LD Optical Components | LED Bare Dies | Laser Safety Goggles | |
|  LD Drivers / TEC Controllers |  Quantum Optic Devices | Detector Cards |  Interference Filters |

# LASER DIODES

UV laser diodes
cw mode
5.6 mm package
375 - 1770 nm

| Laser Diodes \| UV \| 375 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLT375-500GE, 375 nm, 500 mW, mm, 50°C, 9.0 mm, without PD | | 498,60 | 591,32 |
| SHD38200MG, 380 nm, 200 mW, MM, 30°C, 5.6 mm, without PD | | 410,20 | 486,48 |
| SHD39300MGE, 395 nm, 300 mW, MM, 30°C, 5.6 mm, without PD | | 190,47 | 225,89 |
| RLT395-300MGE, 395 ±10 nm, 300 mW, MM, 5.6 mm, without PD | | 280,50 | 332,66 |
| RLT400-1000MGE, 400 nm, 1 W, mm, 50°C, 5.6 mm, without PD | | 178,60 | 211,81 |
| **Laser Diodes \| VIOLET \| 405 - 415 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT405-10MGS, 405 nm, 10 mW, SM, 75°C, 5.6 mm | | 35,70 | 42,34 |
| RLT405-20MG, 405 nm, 20 mW, 5.6 mm | EOL | 19,90 | 23,60 |
| DL-4146-101S, 405 nm, 20 mW, 75°C, 5.6 mm, SANYO | | 18,60 | 22,06 |
| DL-5146-101S, 405 nm, 40 mW, 75°C, 5.6 mm, SANYO | | 25,43 | 30,16 |
| RLT405-120MGE, 405 nm, 120 mW, SM, 70°C, 5.6 mm, without PD | | 142,40 | 168,88 |
| RLT405-120MGS, 405 nm, 120 mW, SM, 70°C, 5.6 mm | | 145,00 | 171,96 |
| SHD40150MG, 405 nm, 150 mW, SM, 70°C, 5.6 mm, p-type | | 73,80 | 87,52 |
| HL40041MG, 404 ±6 nm, 150 mW cw, MM, 50°C, 5.6 mm TO | | 93,32 | 110,67 |
| RLT405-150MGE, 405 nm, 150 mW, SM, 70°C, 5.6 mm, without PD | | 166,20 | 197,11 |
| RLT405-150MGS, 405 nm, 150 mW, SM, 70°C, 5.6 mm | | 142,90 | 169,47 |
| HL40162MG, 405 ±5 nm, 175 mW cw, SM, 85°C, 5.6 mm TO, N-Type | | 299,50 | 355,19 |
| HL40161MG, 405 ±5 nm, 175 mW cw, SM, 85°C, 5.6 mm TO, P-Type | | 299,50 | 355,19 |
| HL40163MG, 405 ±5 nm, 175 mW cw, SM, 85°C, 5.6 mm TO, no PD | | 403,20 | 478,18 |
| RLT405-200MGS, 405 nm, 200 mW, SM, 70°C, 3.8 mm, without PD | | 251,40 | 298,15 |
| RLT405-250MGS, 405 nm, 250 mW, SM, 70°C, 5.6 mm, without PD | | 379,80 | 450,43 |
| SHD40300MGE, 405 nm, 300 mW, MM, 50°C, 5.6 mm, without PD | | 52,40 | 62,14 |
| RLT405-300MGE, 405 nm, 300 mW, SM, 70°C, 5.6 mm, without PD | EOL | 404,60 | 479,84 |
| HL40071MG, 405 ±5 nm, 300 mW cw, SM, 70°C, 5.6 mm TO | | 445,95 | 528,88 |
| HL40211MG, 405 ±5 nm, 400 mW cw, MM, 85°C, 5.6 mm TO, P-type | | 452,76 | 536,95 |
| HL40213MG, 405 ±5 nm, 400 mW cw, MM, 85°C, 5.6 mm TO, no PD | | 452,76 | 536,95 |
| RLT405-400MGE, 405 nm, 400 mW, MM, 5.6 mm, without PD | | 163,90 | 194,38 |
| HL40093MG, 404 ±6 nm, 400 mW cw, MM, 30°C, 5.6 mm TO, no PD | | 154,69 | 183,46 |
| SHD40600MGE, 405 nm, 600 mW, MM, 30°C, 5.6 mm, without PD | | 88,10 | 104,48 |
| RLT405-600MGE, 405 nm, 600 mW, MM, 5.6 mm, without PD | | 142,90 | 169,47 |
| HL40173MG, 405 ±5 nm, 600 mW cw, MM, 30°C, 5.6 mm TO, no PD | | 597,84 | 709,01 |
| HL40175MG, 405 ±5 nm, 600 mW cw, MM, 30°C, 5.6 mm TO, M-type | | 758,43 | 899,47 |
| HL40123GL, 405 ±5 nm, 1.2 W cw, MM, 30°C, 9.0 mm TO, no PD | | 623,20 | 739,09 |
| RLT405-1000MGE, 405 ±10 nm, 1 W, MM, 5.6 mm, without PD | | 162,50 | 192,72 |
| HL40033G, 405 ±5 nm, 1.0 W cw, MM, 30°C, 9 mm TO, no PD | EOL | 463,30 | 549,45 |
| HL40085G, 405 ±5 nm, 1 W cw, MM, 30°C, 9 mm TO, M-type | | 566,58 | 671,94 |
| RLT415-50PMG, 415 nm, 50 mW, 200 ns pulse, MM, 40°C, 5.6 mm | EOL | 598,00 | 709,20 |
| RLT415-200PMG, 415 nm, 200 mW, 200 ns pulse, MM, 40°C, 5.6 mm | EOL | 850,00 | 1.008,06 |
| **Laser Diodes \| BLUE \| 420 - 488 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT440-6WG, 440 nm, 6.0 W, 65°C, 9 mm, without PD | | 54,80 | 64,99 |
| SHD445KGZE, 440 nm, 5.0 W, MM, 60°C, 9.0 mm, Z-diode, without PD | | 45,70 | 54,20 |
| RLT445-4W-GOP-FAC, 445 ±10 nm, 4 W, MM, 9 mm, without PD, FAC lens (square beam) | | 261,90 | 310,60 |
| LD-445-5000G, 445 nm, 5.0 W, 90°C, 9 mm, without PD | | 85,40 | 101,28 |
| SHD4580MG, 450 nm, 80 mW, 70°C, 5.6 mm, without PD | | 21,70 | 25,74 |
| LD-450-100SG, 450 nm, 100 mW, 70°C, 3.8 mm, without PD | | 23,20 | 27,51 |
| LD-450-100MG, 450 nm, 100 mW, 70°C, 5.6 mm, without PD | | 34,30 | 40,68 |
| RLT450-100MGE, 450 ±10 nm, 100 mW, TO18, SM, without PD | | 45,10 | 53,49 |
| SHD452KMGE, 450 nm, 1.8 W, MM, 50°C, 5.6 mm, without PD | | 41,40 | 49,10 |
| LD-450-2000MG, 447 nm, 2.0 W, 85°C, 5.6 mm, Z-diode, without PD | NEW | 36,90 | 43,76 |
| LD-450-3000G, 450 nm, 3.0 W, 85°C, 9 mm, without PD | EOL | 67,50 | 80,05 |
| NLD453500G, 450 nm, 3.5 W, 60°C, 9 mm, without PD | | 166,70 | 197,70 |
| RLT455-5W-GOP, 455 ±10 nm, 5 W, MM, 9 mm, without PD | | 167,00 | 198,06 |

| | | | |
|---|---|---|---|
| RLT455-5W-GOP-FAC, 455 ±10 nm, 5 W, MM, 9 mm, without PD, FAC lens (square beam) | | 240,90 | 285,70 |
| RLT455-5W5-GOP-CL, 455 ±10 nm, 5.5 W, MM, 9 mm, without PD, collimating lens | | 107,10 | 127,02 |
| RLT465-3W-GOP, 465 ±10 nm, 3 W, MM, 9 mm, without PD | | 309,50 | 367,05 |
| RLT465-3W-GOP-CL, 465 ±10 nm, 3 W, MM, 9 mm, Collimating lens | | 299,80 | 355,55 |
| RLT465-3W-GOP-FAC, 465 ±10 nm, 3 W, MM, 9 mm, without PD, FAC lens (square beam) | | 309,50 | 367,05 |
| RLT480-60MGE, 480 ±5 nm, 60 mW, TO18, SM, without PD | | 219,10 | 259,84 |
| RLT480-80MGE, 480 ±5 nm, 80 mW, TO18, SM, without PD | | 328,60 | 389,71 |
| SHD4850MG, 488 nm, 50 mW, 60°C, 5.6 mm, without PD | | 142,80 | 169,35 |
| RLS4216, 488 ±5 nm, 200 mW, 60°C, 5.6 mm | | 6.687,00 | 7.930,50 |
| RLT488-60MGE, 488 ±10 nm, 60 mW, TO18, SM, without PD | | 223,40 | 264,94 |
| RLT488-80MGE, 488 ±10 nm, 80 mW, TO18, SM, without PD | | 328,60 | 389,71 |
| RLT488-100MGE, 488 ±10 nm, 100 mW, TO18, SM, without PD | | 359,70 | 426,59 |
| RLT495-60MGE, 495 ±5 nm, 60 mW, TO18, SM, without PD | | 242,80 | 287,95 |
| RLT495-80MGE, 495 ±5 nm, 80 mW, TO18, SM, without PD | | 299,50 | 355,19 |
| **Laser Diodes \| GREEN \| 510 - 520 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SHD5210MG, 520 nm, 10 mW, SM, 60°C, 5.6 mm, n-type | | 14,10 | 16,72 |
| RLT510-50MGS, 510 nm, 50 mW, SM, 60°C, 5.6 mm, without PD | | 166,20 | 197,11 |
| RLT510-80MGS, 510 nm, 80 mW, SM, 60°C, 5.6 mm, without PD | | 202,00 | 239,56 |
| LD-515-10MG, 515 nm, 10 mW, 60°C, 5.6 mm | | 17,90 | 21,23 |
| ADL-52051SM, 520 nm, 5 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC | NEW | 18,60 | 22,06 |
| ADL-52051SW, 520 nm, 5 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC | NEW | 18,60 | 22,06 |
| ADL-52101SM, 520 nm, 10 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC | NEW | 22,60 | 26,80 |
| ADL-52101SW, 520 nm, 10 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC | NEW | 22,60 | 26,80 |
| ADL-52151SM, 520 nm, 15 mW, 50°C, 3.3 mm, integrated LD driver, APC, 6 VDC | NEW | 23,90 | 28,34 |
| LD-520-30SG, 515 nm, 30 mW, 70°C, 3.8 mm, without PD | | 39,90 | 47,32 |
| SHD5230MG, 520 nm, 30 mW, SM, 60°C, 5.6 mm, n-type | | 14,50 | 17,20 |
| LD-520-50MG, 520 nm, 50 mW, 60°C, 5.6 mm | | 42,90 | 50,88 |
| LD-520-50SG, 520 nm, 50 mW, 60°C, 3.8 mm, without PD | | 45,90 | 54,44 |
| SHD5250MG, 520 nm, 50 mW, SM, 60°C, 5.6 mm, n-type | | 32,80 | 38,90 |
| RLT520-80MGE, 520 ±10 nm, 80 mW, TO18, SM, without PD | | 104,30 | 123,70 |
| RLT520-80MGS, 520 nm, 80 mW, SM, 60°C, 5.6 mm | | 44,30 | 52,54 |
| LD-520-110SG, 520 nm, 110 mW, SM, 70°C, 3.8 mm, without PD | | 59,70 | 70,80 |
| GH0521DE2G, 520 nm, 130 mW, 60°C, 5.6mm, no PD | | 54,80 | 64,99 |
| RLT520-140MGE, 520 nm, 140 mW, SM, 60°C, 5.6 mm, without PD | | 65,72 | 77,94 |
| RLT520-300MGE, 520 nm, 300 mW, MM, 60°C, 5.6 mm, without PD | | 44,30 | 52,54 |
| RLT520-600GOP, 520 ±15 nm, 600 mW, MM, 9 mm, without PD | | 145,70 | 172,79 |
| SHD521KGE, 520 nm, 1.0 W, MM, 60°C, 9.0 mm, without PD | | 80,90 | 95,94 |
| NLD521000G, 520 nm, 1 W, 60°C, 9 mm, without PD | | 219,00 | 259,72 |
| RLT520-1W5-GOP, 520 ±15 nm, >1.3 W, MM, 9 mm, without PD | | 251,40 | 298,15 |
| RLT520-1W5-GOP-CL, 520 ±15 nm, >1.3 W, MM, 9 mm, wihtout PD, collimating lens | | 208,50 | 247,27 |
| RLT520-1W5-GOP-FAC, 520 ±15 nm, >1.3 W, MM, 9 mm, without PD, with FAC lens (line beam) | | 293,30 | 347,84 |
| **Laser Diodes \| RED \| 635 - 655 nm** | **Status** | **EUR / pc** | **USD / pc** |
| HL63163DG, 633 ±3 nm, 100 mW cw, SM, 40°C, 5.6 mm TO, no PD | | 153,74 | 182,33 |
| S6305MG, 635 nm, 5 mW, SM, 50°C, 5.6 mm | | 4,82 | 5,72 |
| QL63D5SA, 635 nm, 5 mW, SM, 50°C, 5.6 mm | | 7,86 | 9,32 |
| ADL-63102TL, 635 nm, 10 mW, SM, 50°C, 5.6 mm | | 14,76 | 17,50 |
| S6310MG, 635 nm, 10 mW, SM, 5.6 mm | | 15,79 | 18,73 |
| QL63F5SA, 635 nm, 10 mW, SM, 50°C, 5.6 mm | | 15,25 | 18,09 |
| QL63H5SA-R1, 639 nm, 20 mW, SM, 50°C, 5.6 mm | | 19,90 | 23,60 |
| ADL-63301TL, 635 nm, 30 mW, SM, 40°C, 5.6 mm | | 30,90 | 36,65 |
| ADL-63302TL, 635 nm, 30 mW, SM, 50°C, 5.6 mm | | 34,50 | 40,92 |
| RLT635-100G, 635 nm, 100 mW, MM, 9 mm, without PD | | 154,00 | 182,64 |
| RLT635-150-C, 635 nm, 150 mW, MM, C-mount | | 219,00 | 259,72 |
| RLT635-150-TO3, 635 nm, 150 mW, MM, TO-3 | | 179,90 | 213,35 |
| RLT635-300-TO3, 635 nm, 300 mW, MM, TO-3 | | 369,00 | 437,62 |
| RLT635-500-TO3, 635 nm, 500 mW, MM, TO-3 | | 444,00 | 526,57 |
| RLT635-30MGS, 638 nm, 30 mW, SM, 50°C, 5.6 mm | | 38,10 | 45,19 |
| RLT635-50MGS, 638 nm, 50 mW, SM, 50°C, 5.6 mm | | 68,20 | 80,88 |
| RLT635-180MGE, 638 nm, 180 mW, SM, 50°C, 5.6 mm, without PD | | 59,50 | 70,56 |
| RLT635-200MGS, 638 nm, 200 mW, SM, 60°C, 5.6 mm | | 71,40 | 84,68 |
| HL63102MG, 637 +3/-7 nm, 5 mW cw, SM, 60°C, 5.6 mm TO, N-type | | 7,50 | 8,89 |
| HL6312G, 638 +2/-13 nm, 5 mW cw, SM, 50°C, 9 mm TO | | 18,03 | 21,38 |
| HL6319G, 638 +2/-13 nm, 10 mW cw, SM, 50°C, 9 mm TO, P-type | | 40,42 | 47,94 |
| HL6320G, 638 +2/-13 nm, 10 mW cw, SM, 50°C, 9 mm TO, N-type | | 42,17 | 50,01 |

| | | | |
|---|---|---|---|
| HL6321G, 638 +2/-8 nm, 15 mW cw, SM, 50°C, 9 mm TO, P-type | | 57,47 | 68,16 |
| HL6322G, 638 +2/-8 nm, 15 mW cw, SM, 50°C, 9 mm TO, N-type | | 51,50 | 61,08 |
| HL6323MG, 639 +3/-4 nm, 30 mW cw, SM, 50°C, 5.6 mm TO | | 89,00 | 105,55 |
| HL63142DG, 637 ±5 nm, 100 mW cw, SM, 50°C, 5.6 mm TO | | 172,94 | 205,10 |
| HL63603TG, 638 +4/-6 nm, 120 mW cw, SM, 60°C, 3.8 mm TO, no PD | EOL | 37,41 | 44,37 |
| HL63133DG, 638 ±5 nm, 170 mW cw, SM, 40°C, 5.6 mm TO, no PD | | 75,87 | 89,98 |
| ADL-63V0BTP, 638 nm, 500 mW, MM, 30°C, 5.6 mm, without PD | | 69,90 | 82,90 |
| HL63193MG, 638 ±5 nm, 700 mW cw, MM, 40°C, 5.6 mm TO, no PD | | 37,18 | 44,09 |
| HL63192DG, 638 -6/+5 nm, 700 mW cw, MM, 30°C, 5.6 mm TO, N-Type | | 74,80 | 88,71 |
| RLT635-700MGE, 638 ±10 nm, 700 mW, MM, 5.6 mm, without PD | | 52,30 | 62,03 |
| ADL-63T01NP, 638 nm, 800 mW, MM, 30°C, 9 mm, no PD | | 106,90 | 126,78 |
| RLT635-1W-GOP, 638 ±10 nm, 1 W, MM, 9 mm, without PD | | 119,00 | 141,13 |
| RLT635-1W-GOP-FAC, 638 ±10 nm, 1 W, MM, 9 mm, FAC lens (square beam) | | 214,30 | 254,15 |
| HL63373HD, 638 ±6 nm, 1 W cw, MM, 45°C, 9 mm TO, no PD | | 72,97 | 86,54 |
| RLT635-2W-GOP, 638 ±10 nm, 2 W, MM, 9 mm, no PD | | 178,60 | 211,81 |
| RLT635-2W-GOP-FAC, 638 ±10 nm, 2 W, MM, 9 mm, FAC lens (square beam), no PD | | 261,90 | 310,60 |
| HL63283HD, 637 ±5 nm, 1.2 W cw, MM, 45°C, 9 mm TO, no PD | | 74,09 | 87,87 |
| HL63623HD, 638 ±6 nm, 1.5 W cw, MM, 55°C, 9 mm TO, no PD | | 86,02 | 102,02 |
| HL63290HD, 638 ±5 nm, 2.0 W cw, 2 chips, MM, 45°C, 9 mm TO, no PD | EOL | 102,25 | 121,26 |
| HL63520HD, 638 ±6 nm, 2.4 W cw, 2 chips, MM, 55°C, 9 mm TO, no PD | | 103,48 | 122,72 |
| HL6358MG, 639 +4/-9 nm, 10 mW cw, SM, 50°C, 5.6 mm TO, N-type | | 11,05 | 13,10 |
| HL6359MG, 639 +4/-9 nm, 10 mW cw, SM, 50°C, 5.6 mm TO, P-type | EOL | 11,05 | 13,10 |
| HL6395MG, 639 ±5 nm, 10 mW cw, SM, 60°C, 5.6 mm TO, P-type | | 21,10 | 25,02 |
| HL6396MG, 639 ±5 nm, 10 mW cw, SM, 60°C, 5.6 mm TO, N-type | EOL | 21,10 | 25,02 |
| HL6360MG, 639 +4/-9 nm, 20 mW cw, SM, 50°C, 5.6 mm TO, N-type | | 19,44 | 23,06 |
| HL6361MG, 639 +4/-9 nm, 20 mW cw, SM, 50°C, 5.6 mm TO, P-type | | 28,35 | 33,62 |
| HL6397MG, 639 +4/-9 nm, 20 mW cw, SM, 60°C, 5.6 mm TO, P-type | | 34,52 | 40,94 |
| HL63391DG, 639 ±5 nm, 200 mW cw, SM, 60°C, 5.6 mm TO, P-type | EOL | 111,12 | 131,78 |
| HL63392DG, 639 ±5 nm, 200 mW cw, SM, 60°C, 5.6 mm TO, N-type | EOL | 111,12 | 131,78 |
| S6430MG, 640 nm, 30 mW, SM, 50°C, 5.6 mm | | 28,40 | 33,68 |
| HL6362MG, 640 ±5 nm, 40 mW cw, SM, 50°C, 5.6 mm TO, N-type | | 75,94 | 90,06 |
| HL6363MG, 640 ±5 nm, 40 mW cw, SM, 50°C, 5.6 mm TO, P-type | | 75,94 | 90,06 |
| ADL-63501TL, 640 nm, 50 mW, SM, 50°C, 5.6 mm | | 52,90 | 62,74 |
| HL63653TG, 640 ±5 nm, 200 mW cw, SM, 60°C, 3.8 mm TO, no PD | | 47,40 | 56,21 |
| HL6366DG, 642 +3/-7 nm, 80 mW cw, SM, 50°C, 5.6 mm TO, N-type | | 126,84 | 150,43 |
| HL6367DG, 642 +3/-7 nm, 80 mW cw, SM, 50°C, 5.6 mm TO, P-type | | 133,74 | 158,61 |
| RLT65300T, 650 nm, 300 mW, MM, TO-3, without PD | | 152,00 | 180,27 |
| RLT650-500-T, 650 nm, 500 mW, MM, TO-3, without PD | | 275,00 | 326,14 |
| RLT650-1000-C, 650 nm, 1 W, MM, C-mount | EOL | 395,00 | 468,45 |
| RLT650-1W-T, 658 nm, 1 W, multimode, 150x1 µm, TO-3 | | 453,20 | 537,48 |
| QL65D5SA, 650 nm, 5 mW, SM, 50°C, 5.6 mm | | 3,19 | 3,78 |
| QL65D6SA, 655 nm, 5 mW, SM, 60°C, 5.6 mm | | 8,60 | 10,20 |
| S6505MG, 655 nm, 5 mW, SM, 5.6 mm | | 3,57 | 4,23 |
| ADL-65052TL, 655 nm, 5 mW, SM, 50°C, 5.6 mm, lowest operating current typ. 16 mA | | 3,40 | 4,03 |
| ADL-65055TA4, 655 nm, 5 mW, SM, 50°C, 5.6 mm, integrated LD driver, APC, 3.0 VDC | | 3,95 | 4,68 |
| QL65E7SB, 655 nm, 7 mW, SM, 70°C, 5.6 mm | | 8,43 | 10,00 |
| QL65E7SC, 655 nm, 7 mW, SM, 70°C, 5.6 mm | | 8,43 | 10,00 |
| QL65E8SA, 658 nm, 7 mW, SM, 85°C, 5.6 mm | | 15,72 | 18,64 |
| ADL-65075SL, 655 nm, 7 mW, SM, 70°C, 3.3 mm, small package | | 7,04 | 8,35 |
| ADL-65075SR, 655 nm, 7 mW, SM, 70°C, 3.3 mm, small package | | 5,10 | 6,05 |
| ADL-65077SU, 655 nm, 7 mW, SM, 70°C, 3.3 mm, small package | | 8,75 | 10,38 |
| ADL-65074TR, 655 nm, 7 mW, SM, 85°C, 5.6 mm, high temperature | | 6,77 | 8,03 |
| ADL-65074TL, 655 nm, 7 mW, SM, 85°C, 5.6 mm, high temperature | | 6,77 | 8,03 |
| ADL-65075TA4, 650 nm, 7 mW, SM, 70°C, 5.6 mm, integrated LD driver, APC, 3.0 VDC | | 7,14 | 8,47 |
| QL65F6SA, 655 nm, 10 mW, SM, 60°C, 5.6 mm | | 6,49 | 7,70 |
| QL65F7SA, 655 nm, 10 mW, SM, 70°C, 5.6 mm, high temperature | | 14,30 | 16,96 |
| S6510MG, 655 nm, 10 mW, SM, 5.6 mm | | 9,54 | 11,31 |
| S6530MG, 660 nm, 30 mW, MM, 5.6 mm | | 29,60 | 35,10 |
| QL65I7SA, 655 nm, 30 mW, SM, 70°C, 5.6 mm | | 34,90 | 41,39 |
| HL6501MG, 658 +7/-13 nm, 30 mW cw, SM, 60°C, 5.6 mm TO | | 25,89 | 30,70 |
| RLT650-50MGS, 658 nm, 50 mW, SM, 60°C, 5.6 mm | | 47,60 | 56,45 |
| HL65261MG, 658 +7/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, P-type | | 25,95 | 30,78 |
| HL65262MG, 658 +7/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, N-type | | 25,95 | 30,78 |
| HL65263MG, 658 +7/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, no PD | | 25,95 | 30,78 |
| HL65264MG, 658 +7/-6 nm, 80 mW cw, SM, 60°C, 5.6 mm TO, no PD | | 25,95 | 30,78 |
| RLT650-100MGS, 658 nm, 100 mW, SM, 60°C, 5.6 mm | | 126,00 | 149,43 |
| RLT650-100MGE, 658 nm, 100 mW, SM, 60°C, 5.6 mm, without PD | | 33,40 | 39,61 |

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|---|---|---|---|
| RLT650-150MGE, 658 nm, 150 mW, SM, 60°C, 5.6 mm, without PD | | 42,90 | 50,88 |
| RLT650-180MGE, 658 nm, 180 mW, SM, 50°C, 5.6 mm, without PD | | 47,62 | 56,48 |
| RLT650-1W-C, 658 nm, 1 W, multimode, 150x1 µm, C-mount | | 247,60 | 293,64 |
| HL65213HD, 659 ±5 nm, 1.2 W cw, MM, 45°C, 9 mm TO, no PD | | 330,75 | 392,26 |
| **Laser Diodes \| RED \| 660 - 690 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT6615G, 660 nm, 15 mW, SM, 9 mm | EOL | 16,00 | 18,98 |
| ADL-66201TL, 660 nm, 20 mW, SM, 60°C, 5.6 mm | | 28,80 | 34,16 |
| ADL-66302TL, 660 nm, 30 mW, SM, 60°C, 5.6 mm | | 28,80 | 34,16 |
| QL65J7SA, 660 nm, 50 mW, SM, 75°C, Iop typ. 90 mA, 5.6 mm | | 48,10 | 57,04 |
| ADL-66505TL, 660 nm, 50 mW, SM, 60°C, 5.6 mm, high temp., high power, high reliability | | 39,80 | 47,20 |
| RLT6650G, 660 nm, 50 mW, SM, 9 mm | EOL | 190,80 | 226,28 |
| RLT6650GLI, 665 nm, 50 mW, MM, 9 mm | EOL | 222,60 | 263,99 |
| RLT6660MG, 660 nm, 60 mW, SM, 5.6 mm, without PD | EOL | 64,66 | 76,68 |
| RLT6680MG, 660 nm, 80/160 mW, cw/pulse, SM, 5.6 mm, without PD | EOL | 76,00 | 90,13 |
| RLT66100MGOP, 660 nm, 100 mW, MM, 5.6 mm, without PD | | 44,00 | 52,18 |
| RLT66100MG, 660 nm, 100 mW, MM, 5.6 mm | | 52,80 | 62,62 |
| S66100MG, 660 nm, 100 mW, MM, 50°C, Iop typ. 190 mA, 5.6 mm | | 37,00 | 43,88 |
| HL65241DG, 660 +5/-8 nm, 100 mW cw, SM, 90°C, 5.6 mm TO, P-type | | 90,34 | 107,14 |
| HL65242DG, 660 +5/-8 nm, 100 mW cw, SM, 90°C, 5.6 mm TO, N-type | | 90,34 | 107,14 |
| HL65051DG, 660 +5/-8 nm, 120 mW cw, SM, 40°C, 5.6 mm TO | | 69,01 | 81,84 |
| HL6545MG, 660 +4/-8 nm, 120 mW cw, SM, 75°C, 5.6 mm TO, no PD | | 29,22 | 34,65 |
| HL65232DG, 660 +5/-8 nm, 150 mW cw, SM, 75°C, 5.6 mm TO, N-type | | 77,51 | 91,92 |
| HL65221DG, 660 +5/-8 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, P-type | | 83,64 | 99,19 |
| HL65222DG, 660 +5/-8 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, N-type | | 83,64 | 99,19 |
| HL65223DG, 660 +5/-8 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, no PD | | 74,19 | 87,99 |
| S66150MG, 660 nm, 150 mW, MM, 50°C, Iop typ. 280 mA, 5.6 mm | | 42,00 | 49,81 |
| RLT660-1W-C, 660 ±10 nm, 1 W, MM, C-Mount | | 190,50 | 225,93 |
| RLT660-1W-E, 660 ±10 nm, 1 W, MM, E-Mount | | 238,10 | 282,38 |
| RLT660-1W5-C, 660 ±10 nm, 1.5 W, MM, C-Mount | | 350,60 | 415,80 |
| RLT660-1W5-E, 660 ±10 nm, 1.5 W, MM, E-Mount | | 404,60 | 479,84 |
| QL67D7SA, 670 nm, 5 mW, SM, 70°C, 5.6 mm | | 18,43 | 21,86 |
| S6705MG, 670 nm, 5 mW, SM, 5.6 mm | | 6,20 | 7,35 |
| QL67F7SA, 670 nm, 10 mW, SM, 70°C, 5.6 mm | | 31,90 | 37,83 |
| HL67191MG, 670 ±10 nm, 15 mW cw, SM, 70°C, 5.6 mm TO, P-type | EOL | 44,10 | 52,30 |
| HL67192MG, 670 ±10 nm, 15 mW cw, SM, 70°C, 5.6 mm TO, N-type | | 44,10 | 52,30 |
| RLT67300T, 670 nm, 300 mW, MM, TO-3, without PD | | 199,00 | 236,01 |
| RLT67300C, 670 nm, 300 mW, MM, C-Mount | | 199,00 | 236,01 |
| HL67001DG, 675 ±5 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, P-type | | 673,77 | 799,06 |
| RLT680-1W-C, 680 nm, 1 W, MM, 150x1 µm, C-mount | | 392,70 | 465,73 |
| QL68I6SA, 685 nm, 30 mW, 60°C, SM, 5.6 mm | | 49,90 | 59,18 |
| QL68J6SA, 685 nm, 50 mW, 60°C, SM, 5.6 mm | | 61,60 | 73,06 |
| HL67241MG, 685 ±10 nm, 50 mW cw, SM, 75°C, 5.6 mm TO, P-type | | 75,46 | 89,49 |
| HL6750MG, 685 ±10 nm, 50 mW cw, SM, 70°C, 5.6 mm TO | | 52,45 | 62,20 |
| HL6738MG, 690 +5/-10 nm, 30 mW cw, SM, 70°C, 5.6 mm TO | | 25,70 | 30,48 |
| HL69001DG, 690 ±5 nm, 200 mW cw, SM, 75°C, 5.6 mm TO, P-type | | 1.357,83 | 1.610,33 |
| RLT690-1W-C, 690 ±10 nm, 1 W, MM, C-Mount | | 712,10 | 844,52 |
| **Laser Diodes \| INFRARED \| 705 - 808 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT700-50MGS, 700 nm, 50 mW, SM, 60°C, 5.6 mm | | 738,00 | 875,24 |
| HL7301MG, 730 ±10 nm, 40 mW cw, SM, 60°C, 5.6 mm TO, P-type | | 204,16 | 242,13 |
| HL7302MG, 730 ±10 nm, 40 mW cw, SM, 60°C, 5.6 mm TO, N-type | | 204,16 | 242,13 |
| RLT730-50MGS, 730 nm, 50 mW, SM, 60°C, 5.6 mm | | 738,00 | 875,24 |
| RLT760-10GS, 760 nm, 10 mW, SM, 9 mm | EOL | 380,00 | 450,66 |
| RLT760-5W-E, 760 ±10 nm, 5 W, MM, E-Mount | | 285,70 | 338,83 |
| RLT760-5W-H, 760 ±10 nm, 5 W, MM, H-Mount | | 357,10 | 423,51 |
| QL78D6SA, 780 nm, 5 mW, SM, 60°C, 5.6 mm | | 8,10 | 9,61 |
| QL78D6SB, 780 nm, 5 mW, SM, 60°C, 5.6 mm | | 12,94 | 15,35 |
| ADL-78101TL, 780 nm, 10 mW, SM, 60°C, 5.6 mm | | 7,90 | 9,37 |
| ADL-78102TL, 780 nm, 10 mW, SM, 70°C, 5.6 mm | | 8,70 | 10,32 |
| QL78F6SA, 780 nm, 10 mW, SM, 60°C, 5.6 mm | | 14,50 | 17,20 |
| QL78I6SA, 780 nm, 25 mW, SM, 60°C, 5.6 mm | | 19,80 | 23,48 |
| QL78J6SA, 780 nm, 50 mW, SM, 60°C, 5.6 mm, n-type | | 25,00 | 29,65 |
| QL78J6SB, 780 nm, 50 mW, SM, 60°C 5.6 mm, m-type | | 30,50 | 36,17 |
| QL78J6SC, 780 nm, 50 mW, SM, 60°C 5.6 mm, p-type | | 30,50 | 36,17 |
| RLT7870MG, 780 nm, 70 mW, SM, 5.6 mm, without PD | | 77,18 | 91,53 |
| QL78M8SA, 780 nm, 90 mW, SM, 80°C, 5.6 mm | | 67,00 | 79,46 |
| RLT780-150GS, 780 nm, 150 mW, SM, 9 mm, LDC=PDC | | o.r. | o.r. |
| RLT780-4W-C, 780 ±10 nm, 4 W, MM, C-Mount | | 404,60 | 479,84 |

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|---|---|---|---|
| RLT780-4W-H, 780 ±10 nm, 4 W, MM, H-Mount | | 472,00 | 559,77 |
| RLT780-8W-E, 780 ±10 nm, 8 W, MM, E-Mount | | 472,00 | 559,77 |
| RLT780-8W-H, 780 ±10 nm, 8 W, MM, H-Mount | | 530,80 | 629,51 |
| ADL-78051TL, 785 nm, 5 mW, SM, 60°C, 5.6 mm | | 4,99 | 5,92 |
| RLT7890MG, 785 nm, 90 mW, SM, 5.6 mm, without PD | | 79,50 | 94,28 |
| RLT785-100MGSN, 785 nm, 100 mW, SM, 50°C, 5.6 mm | | 31,40 | 37,24 |
| RLT785-120MGS, 785 ±15 nm, 120 mW, TO18, Built-in PD | | 62,90 | 74,60 |
| RLT785-120MGSP, 785 ±15 nm, 120 mW, TO18, Built-in PD, Common LD(-) & PD(+) | | 62,90 | 74,60 |
| RLT785-150MGS, 785 nm, 150 mW, SM, 50°C, 5.6 mm | | 166,70 | 197,70 |
| RLT785-150GSN, 785 nm, 150 mW, SM, 50°C, N-type, 9 mm | | 399,00 | 473,20 |
| RLT785-300TSN, 785 nm, 300 mW, SM, 50°C, N-type, 9 mm tall cap | | 497,30 | 589,78 |
| RLT785-1000GOP, 785 nm, 1 W, MM, 50°C, 9 mm, without PD | | 252,20 | 299,10 |
| RLT785-1000G, 785 nm, 1000 mW, MM, 50°C, M-type, 9 mm | | 265,00 | 314,28 |
| RLT785-5W-C, 785 nm, 5 W, MM, 30°C, C-mount | | 284,00 | 336,81 |
| RLCT793-3WC, 793 nm, 3 W, MM, 30°C, C-mount | | 239,00 | 283,44 |
| RLT800-20MG, 800 nm, 20 mW, SM, 60°C, 5.6 mm | NEW | 35,71 | 42,35 |
| RLT80805MG, 808 nm, 5 mW, SM, 5.6 mm | | 39,54 | 46,89 |
| RLT80810MG, 808 nm, 10 mW, SM, 5.6 mm | EOL | 25,00 | 29,65 |
| RLT808-150GS, 808 nm, 150 mW, SM, 50°C, M-type, 9 mm | | 372,00 | 441,18 |
| RLT808-150GSN, 808 nm, 150 mW, SM, 50°C, N-type, 9 mm | | 352,40 | 417,93 |
| SLD302V, SONY, 808 nm, 200 mW, MM, 9 mm | EOL | 83,74 | 99,31 |
| S808200MG, 808 nm, 200 mW, MM, 50 µm, 5.6 mm | | 14,90 | 17,67 |
| RLT808-300MG, 808 ±10 nm, 300 mW, MM, 5.6 mm | | 25,00 | 29,65 |
| LDM-0808-300M-91, 808 ±5 nm, 300 mW, MM, 40°C, 9 mm | | 44,00 | 52,18 |
| LDM-0808-300M-11, 808 ±5 nm, 300 mW, MM, C-mount | | 35,00 | 41,51 |
| LDM-0808-300M-31, 808 ±5 nm, 300 mW, MM, TO-3 | | 40,00 | 47,44 |
| S808500MG, 808 nm, 500 mW, MM, 50°C, Iop typ. 520 mA, 5.6 mm | | 18,70 | 22,18 |
| S808500G, 808 nm, 500 mW, MM, 70°C, Iop typ. 520mA, 9 mm | | 29,70 | 35,22 |
| ADL-80V03TL, 808 nm, 500 mW, MM, 50°C, 5.6 mm | | 49,80 | 59,06 |
| RLT808-500MG, 808 ±10 nm, 500 mW, MM, 5.6 mm | | 28,60 | 33,92 |
| RLT808500G, 808 nm, 500 mW, MM, 9 mm | | 24,00 | 28,46 |
| RLCO-808-500G, 808 nm, 500 mW, MM, 9 mm | EOL | 45,00 | 53,37 |
| LDM-0808-500M-92, 808 ±5 nm, 500 mW, MM, 40°C, 9 mm | | 45,00 | 53,37 |
| LDM-0808-500M-12, 808 ±5 nm, 500 mW, MM, C-mount | | 38,30 | 45,42 |
| LDM-0808-500M-32, 808 ±5 nm, 500 mW, MM, TO-3 | | 44,00 | 52,18 |
| ADL-80Q11TZ, 808 nm, 1 W, MM, 60°C, 5.6 mm, no PD | | 47,15 | 55,92 |
| S8081000G, 808 nm, 1 W, MM, 50°C, Iop typ. 1.2 A, 9 mm | | 62,00 | 73,53 |
| S8081WG, 808 nm, 1 W, MM, 50°C, Iop typ. 1.2 A, 9 mm, without PD, no window glass | | 59,90 | 71,04 |
| LDM-0808-1000-93, 808 ±5 nm, 1 W, MM, 40°C, 9 mm | | 69,90 | 82,90 |
| RLT808-1W-G, 808 ±10 nm, 1 W, MM, 100x1 µm, 9 mm | | 83,90 | 99,50 |
| LDM-0808-001W-13, 808 ±5 nm, 1 W, MM, C-mount | | 41,25 | 48,92 |
| LDM-0808-001W-33, 808 ±5 nm, 1 W, MM, TO-3 | | 49,90 | 59,18 |
| RLT808-2W-GOP, 808 ±10 nm, 2 W, MM, 100x1 µm, 9 mm, without PD | | 125,80 | 149,19 |
| LDM-0808-002W-14, 808 ±5 nm, 2 W, MM, 150 µm, C-mount | | 61,90 | 73,41 |
| LDM-0808-002W-35, 808 ±5 nm, 2 W, MM, TO-3 | | 70,63 | 83,76 |
| LDM-0808-3W-33, 808 ±5 nm, 3 W, MM, TO-3 | | 139,00 | 164,85 |
| RLT808-3W-TO3, 808 ±10 nm, 3 W, MM, 100x1 µm, TO-3 | | 174,80 | 207,31 |
| RLT808-3W-C, 808 ±10 nm, 3 W, MM, C-mount | | 145,70 | 172,79 |
| RLCO-808-4000-TO3, 808 nm, 4 W, MM, TO-3 | EOL | 157,00 | 186,20 |
| RLT8085000T, 808 ±5 nm, 5 W, mm, TO-3 | | 137,00 | 162,48 |
| RLT808-5W-C, 808 ±10 nm, 5 W, MM, C-mount | | 280,50 | 332,66 |
| RLT8085000TF, 808 ±5 nm, 4.5 W, mm, Fast Axis Collimator, TO-3 | | 146,80 | 174,10 |
| LDM-0808-005W-15, 808 ±5 nm, 5 W, MM, C-mount | | 154,70 | 183,47 |
| LDM-0808-005W-15TF, 808 ±5 nm, 5 W, MM, C-mount, FAC | | 163,18 | 193,52 |
| RLT808-8W-E, 808 ±10 nm, 8 W, MM, E-Mount | | 350,60 | 415,80 |
| RLT808-8W-H, 808 ±10 nm, 8 W, MM, H-Mount | | 438,30 | 519,81 |
| RLT808-10W-E, 808 ±10 nm, 10 W, MM, E-Mount | | 385,70 | 457,42 |
| RLT808-10W-H, 808 ±10 nm, 10 W, MM, H-Mount | | 472,00 | 559,77 |
| **Laser Diodes \| INFRARED \| 820 - 940 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT820-100GS, 820 nm, 100 mW, SM, 60°C, 9 mm | | 640,00 | 759,01 |
| RLT820-100MGS, 820 ±10 nm, 100 mW, SM, 50°C, 5.6 mm | | 51,40 | 60,96 |
| RLT820-150MGS, 820 ±10 nm, 150 mW, SM, 50°C, 5.6 mm | | 59,40 | 70,45 |
| RLT825-200MGS, 825 nm, 200 mW, SM, 60°C, 5.6 mm | | 538,00 | 638,05 |
| ELD83NPT5, 830 ±10 nm, 5 mW, SM, 5.6 mm | EOL | 32,86 | 38,97 |
| S8305MG, 830 nm, 5 mW, Iop <25 mA, MM, 40°C, 5.6 mm | EOL | 11,44 | 13,57 |
| QL83F6SA, 830 nm, 10 mW, SM, 60°C, 5.6 mm | | 12,90 | 15,30 |
| RLT8320MG, 830 nm, 20 mW, SM, 5.6 mm | | 18,90 | 22,41 |
| QL83H6SA, 830 nm, 20 mW, SM, 60°C, 5.6 mm | | 19,90 | 23,60 |
| RLT8340MG, 830 nm, 40 mW, SM, 40°C, 5.6 mm | | 76,32 | 90,51 |
| S8350MG, 830 nm, 50 mW, SM, 50°C, Iop typ. 62 mA, 5.6 mm | | 28,40 | 33,68 |
| HL83013MG, 830 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, no PD | | 37,89 | 44,94 |
| HL8337MG, 830 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, N-type | | 47,73 | 56,61 |

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|---|---|---|
| HL8338MG, 830 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, P-type | 40,02 | 47,46 |
| ADL-83Z01TL, 830 nm, 100 mW, SM, 60°C, 5.6 mm | 36,90 | 43,76 |
| S83100MG, 830 nm, 100 mW, MM, 50°C, Iop typ. 115 mA, 5.6 mm | 36,20 | 42,93 |
| RLT830-100MGS, 830 nm, 100 mW, SM, 50°C, 5.6 mm | 37,00 | 43,88 |
| RLT830-100GS, 830 nm, 100 mW, SM, 50°C, M-type, 9 mm | 191,74 | 227,40 |
| RLT830-150MGS, 830 nm, 150 mW, SM, 50°C, 5.6 mm | 41,00 | 48,62 |
| RLT830-150GSN, 830 nm, 150 mW, SM, 50°C, N-type, 9 mm | 399,00 | 473,20 |

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|---|---|---|---|
| RLT830-150GS, 830 nm, 150 mW, SM, 50°C, M-type, 9 mm | | 399,00 | 473,20 |
| RLT830-200MGS, 830 nm, 200 mW, SM, 50°C, 5.6 mm | | 47,62 | 56,48 |
| ADL-83Y01TL, 830 nm, 200 mW, SM, 60°C, 5.6 mm | | 40,80 | 48,39 |
| QL83R6SA, 830 nm, 200 mW, SM, 60°C, 5.6 mm TO, N-type | | 83,20 | 98,67 |
| RLT830-250MGS, 830 nm, 250 mW, SM, 50°C, 5.6 mm | | 59,50 | 70,56 |
| S83300MG, 830 nm, 300 mW, MM, 50°C, Iop typ. 410 mA, 5.6 mm | | 42,00 | 49,81 |
| S83500MG, 830 nm, 500 mW, MM, 50°C, Iop typ. 660 mA, 5.6 mm | | 48,00 | 56,93 |
| RLT83500G, 830 nm, 500 mW, MM, 9 mm | | 92,00 | 109,11 |
| RLT83500GOP, 830 nm, 500 mW, MM, 9 mm, without PD | | 96,70 | 114,68 |
| RLT831000G, 830 nm, 1 W, MM, 9 mm | | 175,00 | 207,54 |
| RLCO-830-1000-TO3, 830 nm, 1 W, MM, TO-3 | EOL | 93,00 | 110,29 |
| RLT830-1WG-PD, 830 nm, 1 W, MM, 40°C, 9 mm, with PD | | 122,00 | 144,69 |
| RLT830-1.5G, 830 nm, 1.5 W, MM, 9 mm | | 193,57 | 229,57 |
| S8410MG, 840 nm, 10 mW, SM, 60°C, 5.6 mm, without PD | | 28,80 | 34,16 |
| S8450MG, 840 nm, 50 mW, SM, 40°C, 5.6 mm, without PD | | 56,00 | 66,41 |
| RLT840-200MGS, 840 nm, 200 mW, SM, 60°C, 5.6 mm | | 538,00 | 638,05 |
| ADL-85051TL, 845 nm, 5 mW, SM, 50°C, 5.6 mm | | 12,50 | 14,82 |
| ELD85NPT5, 850 ±10 nm, 5 mW, SM, 5.6 mm | EOL | 26,25 | 31,13 |
| RLT8505MG, 850 nm, 5 mW, SM, 40°C, 5.6 mm | | 9,90 | 11,74 |
| QL85D6SA, 850 nm, 5 mW, SM, 60°C, 5.6 mm | | 11,20 | 13,28 |
| QL85F6SA, 850 nm, 10 mW, SM, 60°C, 5.6 mm | | 12,90 | 15,30 |
| QL85I6SA, 850 nm, 30 mW, SM, 60°C, 5.6 mm | | 31,90 | 37,83 |
| QL85J6SA-L, 850 nm, 40 mW, SM, 60°C, 5.6 mm | | 39,00 | 46,25 |
| QL85J6SC-L, 850 nm, 40 mW, SM, 60°C, 5.6 mm | | 42,10 | 49,93 |
| ADL-85501TL, 850 nm, 50 mW, SM, 50°C, 5.6 mm | | 43,99 | 52,17 |
| RLT850-50MGS, 850 nm, 50 mW, SM, 40°C, 5.6 mm | | 46,10 | 54,67 |
| S8550MG, 850 nm, 50 mW, SM, 60°C, 5.6 mm | | 26,80 | 31,78 |
| HL8340MG, 852 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, N-type | | 40,02 | 47,46 |
| HL8341MG, 852 ±10 nm, 50 mW cw, SM, 60°C, 5.6 mm TO, P-type | | 55,22 | 65,49 |
| HL8342MG, 852 ±4 nm, 50 mW cw, SM, 60°C, 5.6 mm TO | EOL | 80,53 | 95,51 |
| S85100MG, 850 nm, 100 mW, MM, 50°C, Iop typ. 125 mA, 5.6 mm | | 29,90 | 35,46 |
| RLT85100MG, 850 nm, 100 mW, MM, 5.6 mm | | 75,00 | 88,95 |
| RLT850-100MGS, 850 nm, 100 mW, SM, 40°C, 5.6 mm | | 59,50 | 70,56 |
| RLT850-150GS, 850 nm, 150 mW, SM, 50°C, M-type, 9 mm | | 399,00 | 473,20 |
| RLT850-150GSN, 850 nm, 150 mW, SM, 50°C, N-type, 9 mm | | 399,00 | 473,20 |
| HL85021MG, 850 ±10 nm, 250 mW cw, SM, 75°C, 5.6 mm TO, P-type | NEW | 62,40 | 74,00 |
| HL85022MG, 850 ±10 nm, 250 mW cw, SM, 75°C, 5.6 mm TO, N-type | NEW | 38,62 | 45,80 |
| HL85023MG, 850 ±10 nm, 250 mW cw, SM, 75°C, 5.6 mm TO, no PD | NEW | 62,40 | 74,00 |
| S85300MG, 850 nm, 300 mW, MM, 50°C, Iop typ. 435 mA, 5.6 mm | | 40,90 | 48,51 |
| S85500MG, 850 nm, 500 mW, MM, 50°C, Iop typ. 680 mA, 5.6 mm | | 45,90 | 54,44 |
| RLT850-500MGE, 850 ±10 nm, 500 mW, MM, 5.6 mm, without PD | | 78,20 | 92,74 |
| RLT850-800MGE, 850 ±10 nm, 800 mW, MM, 5.6 mm, without PD | | 97,80 | 115,99 |
| RLT850-1000MGE, 850 ±10 nm, 1 W, MM, 5.6 mm, without PD | | 71,43 | 84,71 |
| RLT850M-1WG50, 850 nm, 1 W, 50 µm, MM, 9 mm | | 289,90 | 343,81 |
| RLT855-10MG, 855 nm, 10 mW, Iop <55 mA, SM, 5.6 mm | | 19,40 | 23,01 |
| RLT878-5MG, 878 nm, 5 mW, Iop <35 mA, SM, 5.6 mm | | 22,40 | 26,57 |
| S8810MG, 880 nm, 10 mW, 60°C, SM, 5.6 mm | | 18,80 | 22,30 |
| RLT880-3W-C, 880 ±10 nm, 3 W, MM, C-Mount | | 350,60 | 415,80 |
| QL90F7SA, 904 nm, 10 mW, 70° C, SM, 5.6 mm | | 28,00 | 33,21 |
| QL90F7SA-L, 905 nm, 10 mW, 70° C, SM, 5.6 mm | | 35,70 | 42,34 |
| RLT905-20G, 905 nm, 20 mW, SM, 9 mm | | 407,00 | 482,69 |
| RLT905-30G, 905 nm, 30 mW, SM, 9 mm | | 508,00 | 602,47 |
| QLD905-40MG, 905 nm, 40 mW, SM, 70°C, 5.6 mm | | 63,00 | 74,72 |
| RLT905-40G, 905 nm, 40 mW, SM, 9 mm | | 675,00 | 800,52 |
| RLT905-50G, 905 nm, 50 mW, SM, 9 mm | | 731,00 | 866,94 |
| QL90R7SA, 905 nm, 200 mW, SM, 70°C, 5.6 mm TO, N-type | | 83,20 | 98,67 |
| RLT905-500G, 905 nm, 500 mW, MM, 50°C, N-type, 9 mm | | 131,80 | 156,31 |
| RLT915-200GSN, 915 nm, 200 mW, SM, 50°C, N-type, 9 mm | | 436,00 | 517,08 |
| RLT915-300GS, 915 nm, 300 mW, SM, 50°C, N-type, 9 mm | | 938,20 | 1.112,67 |
| RLT91500G, 915 nm, 500 mW, MM, 50°C, N-type, 9 mm | | 126,00 | 149,43 |
| RLT915-1000G, 915 nm, 1000 mW, MM, 50°C, N-type, 9 mm | | 225,90 | 267,91 |
| RLT915-1000GOP, 915 nm, 1000 mW, MM, 50°C, 9 mm, without PD | | 212,00 | 251,42 |
| RLT915-10W-E, 915 ±10 nm, 10 W, MM, E-Mount | | 315,60 | 374,29 |
| RLT915-10W-H, 915 ±10 nm, 10 W, MM, H-Mount | | 438,30 | 519,81 |
| RLT915-12W-E, 915 ±10 nm, 12 W, MM, E-Mount | | 350,60 | 415,80 |
| RLT915-12W-H, 915 ±10 nm, 12 W, MM, H-Mount | | 472,00 | 559,77 |
| QL94J6SA, 940 nm, 50 mW, SM, 60°C, 5.6 mm | | 45,90 | 54,44 |
| ADL-94Y01TL, 940 nm, 200 mW, SM, 60°C, 5.6 mm | | 38,96 | 46,20 |
| QL94R6SA, 940 nm, 200 mW, SM, 60°C, 5.6 mm | EOL | 71,00 | 84,20 |
| RLT940-200GS, 940 nm, 200 mW, SM, 50°C, M-type, 9 mm | | 436,95 | 518,20 |
| RLT940-200GSN, 940 nm, 200 mW, SM, 50°C, N-type, 9 mm | | 436,95 | 518,20 |
| RLT940-300GS, 940 nm, 300 mW, SM, 50°C, M-type, 9 mm | | 510,00 | 604,84 |

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|---|---|---|---|
| RLT940-300GSN, 940 nm, 300 mW, SM, 50°C, N-type, 9 mm | | 510,00 | 604,84 |
| RLT940-1500GOP, 940 nm, 1500 mW, MM, 50°C, 9 mm, without PD | | 215,81 | 255,94 |
| RLCO-940-2000-TO3, 940 nm, 2 W, MM, TO-3 | EOL | 100,00 | 118,60 |
| RLCO-940-3000-TO3, 940 nm, 3 W, MM, TO-3 | EOL | 198,00 | 234,82 |
| RLT940-3W-TO3, 940 nm, 3 W, MM, TO-3 | | o.r. | o.r. |
| RLT940-5W-TO3, 940 nm, 5 W, MM, TO-3 | | 308,60 | 365,99 |
| RLT940-10W-E, 940 ±10 nm, 10 W, MM, E-Mount | | 315,60 | 374,29 |
| RLT940-10W-H, 940 ±10 nm, 10 W, MM, H-Mount | | 438,30 | 519,81 |
| RLT940-10W-H, 940 ±10 nm, 10 W, MM, H-Mount | | 438,30 | 519,81 |
| RLT940-12W-E, 940 ±10 nm, 12 W, MM, E-Mount | | 350,60 | 415,80 |
| RLT940-12W-H, 940 ±10 nm, 12 W, MM, H-Mount | | 472,00 | 559,77 |
| **Laser Diodes \| INFRARED \| 980 - 1390 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT9810MG, 980 nm, 10 mW, SM, 5.6 mm, LDC = PDC | | 6,48 | 7,69 |
| RLT9820G, 980 nm, 20 mW, MM, 9 mm | EOL | 100,70 | 119,43 |
| RLT9830MG, 980 nm, 30 mW, SM, 5.6 mm | | 30,62 | 36,31 |
| RLT9830G, 980 nm, 30 mW, SM, 9 mm | EOL | 156,00 | 185,01 |
| S9850MG, 980 nm, 50 mW, SM, 5.6 mm | | 6,80 | 8,06 |
| RLT980-50MGS, 976 ±15 nm, 50 mW, TO18, SM, Built-in PD | | 28,60 | 33,92 |
| ELD98NPT50, 980 ±10 nm, 50 mW, SM, 9 mm | | 26,30 | 31,19 |
| L98T50M, 980 nm, 50 mW, MM, 9 mm | | 22,00 | 26,09 |
| S98100MG, 980 nm, 100 mW, MM, 5.6 mm | | 10,20 | 12,10 |
| RLT980-250GSN, 980 nm, 250 mW, SM, 50°C, N-type, 9 mm | | 449,30 | 532,85 |
| RLT980-300GS, 980 nm, 300 mW, SM, 50°C, M-type, 9 mm | | 492,13 | 583,65 |
| RLT980-300GSN, 980 nm, 300 mW, SM, 50°C, N-type, 9 mm | | 492,13 | 583,65 |
| S98200MG, 980 nm, 200 mW, MM, 5.6 mm | | 17,25 | 20,46 |
| S98300G, 980 nm, 300 mW, MM, 9 mm | | 41,77 | 49,54 |
| S98500G, 980 nm, 500 mW, MM, 9 mm | | 48,60 | 57,64 |
| LDM-0980-300M-92, 975 nm, 300 mW, MM, 50°C, 9 mm | | 45,80 | 54,32 |
| L98T300M, 980 ±5 nm, 300 mW, MM, TO-3 | | 76,00 | 90,13 |
| LDM-0980-500M-12, 980 ±10 nm, 500 mW, MM, C-mount | | 47,00 | 55,74 |
| LDM-0980-500M-32, 980 ±10 nm, 500 mW, MM, TO-3 | | 87,00 | 103,18 |
| LDM-0980-500M-92, 975 nm, 500 mW, MM, 50°C, 9 mm | | 108,00 | 128,08 |
| LDM-0980-500M-A0, 975 nm, 500 mW, MM, 50°C, 9 mm, without PD | | 68,60 | 81,36 |
| RLT981000G, 980nm, 1 W, MM, 50°C, 9 mm | | 126,20 | 149,67 |
| RLT980-1W-G, 980 ±10 nm, 1 W, MM, 9 mm | | 163,90 | 194,38 |
| LDM-0980-001W-13, 980 ±10 nm, 1 W, MM, C-mount | | 93,00 | 110,29 |
| LDM-0980-001W-33, 980 ±10 nm, 1 W, MM, TO-3 | | 99,00 | 117,41 |
| LDM-0980-002W-15, 980 ±10 nm, 2 W, MM, C-mount | | 155,00 | 183,82 |
| LDM-0980-002W-35, 980 ±10 nm, 2 W, MM, TO-3 | | 158,00 | 187,38 |
| RLT980-3W-C, 976 ±10 nm, 3 W, MM, C-Mount | | 163,90 | 194,38 |
| RLT980-4W-C, 976 ±10 nm, 4 W, MM, C-mount | | 182,10 | 215,96 |
| RLT980-10W-E, 976 ±15 nm, 10 W, MM, E-mount | | 214,00 | 253,80 |
| RLT980-10W-H, 976 ±15 nm, 10 W, MM, H-mount | | 309,50 | 367,05 |
| RLT980-12W-E, 976 ±15 nm, 12 W, MM, E-mount | | 350,60 | 415,80 |
| RLT980-12W-H, 976 ±15 nm, 12 W, MM, H-mount | | 472,00 | 559,77 |
| RLT980-15W-E, 976 ±10 nm, 15 W, MM, E-mount | | 404,60 | 479,84 |
| RLT1030-100GS, 1030 nm, 100 mW, SM, 50°C, 9 mm | | 799,00 | 947,58 |
| RLT1060-10MG, 1064 nm, 10 mW, SM, 70°C, 5.6 mm | NEW | 28,93 | 34,31 |
| RLT1060-10G, 1060 nm, 10 mW, SM, 9 mm | | 330,00 | 391,37 |
| RLT1060-30MG, 1064 nm, 30 mW, SM, 60°C, 5.6 mm | NEW | 41,43 | 49,13 |
| RLT1060-50G, 1060 nm, 50 mW, SM, 9 mm | | 568,00 | 673,62 |
| RLT1060-60MG, 1060 nm, 60 mW, SM, 50°C, 5.6 mm | NEW | 68,60 | 81,36 |
| RLT1060-100G, 1060 ±5 nm, 100 mW, SM, 50°C, M-type, 9 mm | | 482,00 | 571,63 |
| RLT1060-200GS, 1060 nm, 200 mW, SM, 30°C, 9 mm | | 756,00 | 896,58 |
| RLT1060-350G, 1060 nm, 350 mW, SM, 30°C, M-type, 9 mm | | 378,00 | 448,29 |
| RLT1060M-1WG, 1060 nm, 1.0 W, MM, 50°C, N-type, 9 mm | | 176,20 | 208,97 |
| RLT1060-1000HHL, 1064 ±30 nm, 1.0 W, MM, HHL package | | 1.120,00 | 1.328,27 |
| RLT1060M-2WC, 1064 nm, 2 W cw, MM, C-mount | | 336,00 | 398,48 |
| RLT1060-3000HHL, 1060 ±20 nm, <3.0 W, MM, HHL package | | 1.960,00 | 2.324,48 |
| RLT1064-50MGS, 1064 nm, 50 mW, SM, 40°C, 5.6 mm | | 199,50 | 236,60 |
| RLT1064-100GSN, 1064 nm, 100 mW, SM, 50°C, N-type, 9 mm | | 199,00 | 236,01 |
| RLT1064-150GS, 1064 nm, 150 mW, SM, 40°C, 9 mm | | 152,00 | 180,27 |
| RLT1064-200GSN, 1064 nm, 200 mW, SM, 50°C, N-type, 9 mm | | 454,00 | 538,43 |
| RLT1064-220GS, 1064 nm, 220 mW, SM, 40°C, 9 mm | | 171,43 | 203,31 |
| RLT1064-500GT, 1064 nm, 500 mW, SM, 9 mm tall cap, 50°C, LDA=PDC | | 899,90 | 1.067,24 |
| RLT1064-1000G, 1064 nm, 1.0 W, MM, 50°C, N-type, 9 mm | | 181,13 | 214,81 |
| RLT1064-8W-E, 1064 ±20 nm, 8 W, MM, E-Mount | | 285,70 | 338,83 |
| RLT1064-8W-H, 1064 ±20 nm, 8 W, MM, H-Mount | | 357,10 | 423,51 |
| RLT1064-10W-E, 1064 ±20 nm, 10 W, MM, E-Mount | | 333,00 | 394,92 |
| RLT1064-10W-H, 1064 ±20 nm, 10 W, MM, H-Mount | | 381,00 | 451,85 |
| RLT1080-80GS, 1080 nm, 80 mW, SM, 50°C, 9 mm | | 849,00 | 1.006,88 |
| RLT1170-10GS, 1170 nm, 10 mW, SM, 50°C, 9 mm | | 1.040,00 | 1.233,40 |

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|---|---|---|
| RLT1260-500HHL, 1260 ±20 nm, 500 mW, MM, HHL package | 1.680,00 | 1.992,41 |
| RLT1260-750HHL, 1260 ±20 nm, 750 mW, MM, HHL package | 2.240,00 | 2.656,55 |
| RLT1270-10MGS-B, 1270 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | 189,90 | 225,21 |
| RLT1270-20MGS-B, 1270 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | 237,40 | 281,55 |
| RLT1270-30MGS-B, 1270 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens | 308,60 | 365,99 |
| RLT1290-10MGS-B, 1290 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | 189,90 | 225,21 |
| RLT1290-20MGS-B, 1290 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | 237,40 | 281,55 |
| RLT1290-30MGS-B, 1290 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens | 308,60 | 365,99 |
| RLT1300-5G, 1300 nm, 5 mW, SM, 9 mm | 223,00 | 264,47 |
| RLT1300-10G, 1300 nm, 10 mW, SM, 9 mm | 335,00 | 397,30 |
| RLT1300-20G, 1300 nm, 20 mW, SM, 9 mm | 357,00 | 423,39 |
| RLT1300-30G, 1300 nm, 30 mW, SM, 9 mm | 383,00 | 454,22 |
| RLT1300-40G, 1300 nm, 40 mW, SM, 9 mm | 451,00 | 534,87 |
| RLT1300-50G, 1300 nm, 50 mW, SM, 9 mm | 543,00 | 643,98 |
| RLT1310-5MGS, 1310 nm, FP, 5 mW, SM, 85°C, 5.6 mm | 41,90 | 49,69 |
| RLT1310-5MGS-P2, 1310 nm, FP, 5 mW, SM, 85°C, 5.6 mm, Pin Option 2 | 41,90 | 49,69 |
| RLT1310-20MGS, 1310 nm, DFB, 20 mW, SM, 50°C, 5.6 mm | 284,90 | 337,88 |
| RLT1310-20MGS-B, 1310 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | 237,40 | 281,55 |
| RLT1310-30MGS, 1310 nm, DFB, 30 mW, SM, 45°C, 5.6 mm | 273,00 | 323,77 |
| RLT1310-30MGS-B, 1310 nm, DFB, 30 mW, SM, 45°C, 5.6 mm, lens | 273,00 | 323,77 |

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|---|---|---|---|
| ML720A1S-E22E, 1310 nm, 4 mW, SM, 5.6 mm | EOL | 21,91 | 25,98 |
| RLT1300-BL, 1310 nm, 5 mW, 5.6 mm, ball lens | EOL | 5,00 | 5,93 |
| RLT1300-FW, 1310 nm, 5 mW, 5.6 mm, flat window | EOL | 5,00 | 5,93 |
| LDS-1310-005-BL, 1310 ±10 nm, 5 mW, SM, 5.6 mm, ball lens, 4-Pin | EOL | 9,60 | 11,39 |
| S1300-5MG-BL, 1310 nm, 5 mW, 85°C, ball lens, TO-56, 4-Pin (1.25 Gbps) | | 13,40 | 15,89 |
| S1300-5MG-FW, 1310 nm, 5 mW, 85°C, flat window, TO-56, 4-Pin (1.25 Gbps) | | 13,40 | 15,89 |
| RLT1330-10MGS-B, 1330 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1330-20MGS-B, 1330 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1330-30MGS-B, 1330 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens | | 308,60 | 365,99 |
| RLT1350-10MGS, 1350 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window | | 169,00 | 200,43 |
| RLT1350-10MGS-B, 1350 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1350-20MGS-B, 1350 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1350-30MGS-B, 1350 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens | | 308,60 | 365,99 |
| RLT1370-10MGS, 1370 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window | | 169,00 | 200,43 |
| RLT1370-10MGS-B, 1370 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 142,90 | 169,47 |
| RLT1370-20MGS-B, 1370 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1370-30MGS-B, 1370 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens | | 308,60 | 365,99 |
| RLT1390-10MGS, 1390 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window | | 194,20 | 230,31 |
| RLT1390-10MGS-B, 1390 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 194,20 | 230,31 |
| RLT1390-10GS, 1390 nm, 10 mW, SM, 50°C, 9 mm | | 599,00 | 710,39 |
| RLT1390-20MGS-B, 1390 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1390-30MGS-B, 1390 nm, DFB, 30 mW, SM, 50°C, 5.6 mm, lens | | 308,60 | 365,99 |
| **Laser Diodes \| INFRARED \| 1410 - 1750 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT1410-10MGS, 1410 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window | | 189,90 | 225,21 |
| RLT1410-10MGS-B, 1410 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1410-15MGS, 1410 nm, DFB, 15 mW, SM, 50°C, 5.6 mm | | 189,00 | 224,15 |
| RLT1410-15MGS-B, 1410 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1410-20MGS-B, 1410 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1430-10MGS, 1430 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window | | 169,00 | 200,43 |
| RLT1430-10MGS-B, 1430 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1430-15MGS-B, 1430 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1430-20MGS-B, 1430 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1450-10MGS, 1450 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, flat window | | 169,00 | 200,43 |
| RLT1450-10MGS-B, 1450 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1450-15MGS-B, 1450 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1450-20MGS-B, 1450 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1450-2W-E, 1450 ±40 nm, 2 W, MM, E-mount | | 333,00 | 394,92 |
| RLT1450-2W-H, 1450 ±40 nm, 2 W, MM, H-mount | | 381,00 | 451,85 |
| RLT1460-5MG, 1460 nm, 5 mW, SM, 5.6 mm | EOL | 110,00 | 130,46 |
| RLT1470-5MGS, 1470 nm, DFB, 5 mW, SM, 70°C, 5.6 mm | | 340,00 | 403,23 |
| RLT1470-10MGS-B, 1470 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1470-10G, 1470 ±10 nm, 10 mW, SM, 9 mm | | 288,00 | 341,56 |
| RLT1470-15MGS-B, 1470 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1470-20MGS-B, 1470 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1470-20G, 1470 ±10 nm, 20 mW, SM, 9 mm | | 405,00 | 480,31 |
| RLT1470-30G, 1470 ±10 nm, 30 mW, SM, 9 mm | | o.r. | o.r. |
| RLT1470-3W-E, 1470 ±30 nm, >2.5 W, MM, E-mount | | 333,00 | 394,92 |
| RLT1470-3W-H, 1470 ±30 nm, >2.5 W, MM, H-mount | | 381,00 | 451,85 |
| RLT1480-5G, 1480 nm, 5 mW, SM, 9 mm | | o.r. | o.r. |
| RLT1480-10G, 1480 ±10 nm, 10 mW, SM, 9 mm | | 369,00 | 437,62 |
| RLT1480-20G, 1480 ±10 nm, 20 mW, SM, 9 mm | | 452,00 | 536,05 |
| RLT1490-5MGS, 1490 nm, DFB, 5 mW, SM, 70°C, 5.6 mm | | 340,00 | 403,23 |
| RLT1490-10MGS-B, 1490 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1490-10MGS, 1490 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, without PD | | 538,00 | 638,05 |
| LD1490-C010, 1490 nm, DFB, 10 mW, SM, PD, 5.6 mm | | 270,00 | 320,21 |
| RLT1490-15MGS-B, 1490 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1490-20MGS-B, 1490 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1500-10G, 1500 nm, 10 mW, SM, 9 mm | | o.r. | o.r. |
| RLT1500-20G, 1500 nm, 20 mW, SM, 9 mm | | o.r. | o.r. |
| RLT1500-30G, 1500 nm, 30 mW, SM, 9 mm | | o.r. | o.r. |
| RLT1510-5MGS, 1510 nm, DFB, 5 mW, SM, 70°C, 5.6 mm | | 340,00 | 403,23 |
| RLT1510-10MGS-B, 1510 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1510-15MGS, 1510 nm, DFB, 15 mW, SM, 50°C, 5.6 mm | | 188,60 | 223,67 |
| RLT1510-15MGS-B, 1510 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1510-20MGS-B, 1510 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1530-5MGS, 1530 nm, DFB, 5 mW, SM, 70°C, 5.6 mm | | 340,00 | 403,23 |
| RLT1530-10MGS-B, 1530 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1530-15MGS, 1530 nm, DFB, 15 mW, SM, 50°C, 5.6 mm | | 188,60 | 223,67 |
| RLT1530-15MGS-B, 1530 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1530-20MGS-B, 1530 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |

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|---|---|---|---|
| RLT1530-2W-E, 1530 ±40 nm, 2 W, MM, E-mount | | 472,00 | 559,77 |
| RLT1530-2W-H, 1530 ±40 nm, 2 W, MM, H-mount | | 530,80 | 629,51 |
| RLT1550-5G, 1550 nm, 5 mW, SM, 9 mm | | 172,50 | 204,58 |
| RLT1550-5MGS, 1550 nm, FP, 5 mW, SM, 85°C, 5.6 mm | | 41,90 | 49,69 |
| RLT1550-5MGS-P2, 1550 nm, FP, 5 mW, SM, 85°C, 5.6 mm, Pin Option 2 | | 41,90 | 49,69 |
| RLT1550-10G, 1550 nm, 10 mW, SM, 9 mm | | 208,00 | 246,68 |
| RLT1550-15MGS-B, 1550 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1550-15G, 1550 nm, 15 mW, SM, 9 mm | | 230,00 | 272,77 |
| RLT1550-20G, 1550 nm, 20 mW, SM, 9 mm | | 240,00 | 284,63 |
| RLT1550-20MGS, 1550 nm, DFB, 20 mW, SM, 50°C, 5.6 mm | | 199,10 | 236,12 |
| RLT1550-20MGS-B, 1550 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 179,20 | 212,52 |
| RLT1550-30G, 1550 nm, 30 mW, SM, 9 mm | | 338,70 | 401,68 |
| RLT1550-40G, 1550 nm, 40 mW, SM, 9 mm | | 476,20 | 564,75 |
| RLT1550-40GS, 1550 nm, 40 mW, SM, 50°C, 9 mm | | 524,00 | 621,44 |
| RLT1550-100G, 1550 nm, 100 mW, Iop typ. 800 mA, aperture 100x1 µm², MM, 9 mm | | 514,00 | 609,58 |
| RLT1550-200GS, 1550 nm, 200 mW, SM, 50°C, 9 mm | | 1.360,00 | 1.612,90 |
| RLT1550-250HHL, 1550 ±30 nm, 250 mW, MM, HHL package | | 1.613,00 | 1.912,95 |
| RLT1550-500HHL, 1550 ±30 nm, 500 mW, MM, HHL package | | 1.963,00 | 2.328,04 |
| RLT1550-2W5-E, 1550 ±30 nm, >2 W, MM, E-mount | | 333,00 | 394,92 |
| RLT1550-2W5-H, 1550 ±30 nm, >2 W, MM, H-mount | | 381,00 | 451,85 |
| RLT1570-5MGS, 1570 nm, DFB, 5 mW, SM, 70°C, 5.6 mm | | 340,00 | 403,23 |
| RLT1570-10MGS, 1570 nm, DFB, 10 mW, SM, 50°C, 5.6 mm | NEW | 189,90 | 225,21 |
| RLT1570-10MGS-B, 1570 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1570-15MGS-B, 1570 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1570-20MGS-B, 1570 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1590-10MGS, 1590 nm, DFB, 10 mW, SM, 50°C, 5.6 mm | NEW | 189,90 | 225,21 |
| RLT1590-10MGS-B, 1590 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 169,00 | 200,43 |
| RLT1590-15MGS-B, 1590 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1590-20MGS-B, 1590 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1600-10G, 1600 nm, 10 mW, SM, 9 mm | | 361,00 | 428,13 |
| RLT1600-20G, 1600 nm, 20 mW, SM, 9 mm | | 434,00 | 514,71 |
| RLT1600-30G, 1600 nm, 30 mW, SM, 9 mm | | 505,00 | 598,91 |
| RLT1600-40G, 1600 nm, 40 mW, SM, 9 mm | | 617,00 | 731,74 |
| RLT1600-300HHL, 1600 ±20 nm, 300 mW, MM, HHL package | | o.r. | o.r. |
| RLT1610-10MGS, 1610 nm, DFB, 10 mW, SM, 50°C, 5.6 mm | NEW | 189,90 | 225,21 |
| RLT1610-10MGS-B, 1610 nm, DFB, 10 mW, SM, 50°C, 5.6 mm, lens | | 189,90 | 225,21 |
| RLT1610-15MGS-B, 1610 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 213,60 | 253,32 |
| RLT1610-20MGS-B, 1610 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 237,40 | 281,55 |
| RLT1620-10GS, 1620 nm, 10 mW, SM, 50°C, 9 mm | | 708,00 | 839,66 |
| RLT1625-10MGS, 1625 nm, DFB, 10 mW, SM, 50°C, 5.6 mm | NEW | 309,50 | 367,05 |
| RLT1625-15MGS-B, 1625 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 308,60 | 365,99 |
| RLT1625-20MGS-B, 1625 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 379,80 | 450,43 |
| RLT1650-10MGS, 1650 nm, DFB, 10 mW, SM, 50°C, 5.6 mm | NEW | 309,50 | 367,05 |
| RLT1650-15MGS-B, 1650 nm, DFB, 15 mW, SM, 50°C, 5.6 mm, lens | | 308,60 | 365,99 |
| RLT1650-20MGS-B, 1650 nm, DFB, 20 mW, SM, 50°C, 5.6 mm, lens | | 379,80 | 450,43 |
| RLT1650-50GS, 1650 nm, 50 mW, SM, 50°C, 9 mm | | 840,00 | 996,20 |
| RLT1725-300HHL, 1725 ±15 nm, 300 mW, MM, HHL package | | o.r. | o.r. |
| RLT1750-10G, 1750 ±30 nm, 10 mW, SM, 9 mm | | 495,30 | 587,41 |
| RLT1750-20G, 1750 ±20 nm, 20 mW, SM, 9 mm | | 590,50 | 700,31 |
| RLT1750-30G, 1750 ±20 nm, 30 mW, SM, 9 mm | | 798,00 | 946,39 |
| RLT1750-40G, 1750 ±20 nm, 40 mW, SM, 9 mm | | 1.067,00 | 1.265,42 |
| RLT1750-300HHL, 1750 ±15 nm, 300 mW, MM, HHL package | | o.r. | o.r. |
| RLT1770-10G, 1770 ±30 nm, 10 mW, SM, 9 mm | | 495,00 | 587,05 |
| RLT1770-20G, 1770 ±20 nm, 20 mW, SM, 9 mm | | 590,00 | 699,72 |
| RLT1770-30G, 1770 ±30 nm, 30 mW, SM, 9 mm | | 798,00 | 946,39 |
| RLT1770-40G, 1770 ±20 nm, 40 mW, SM, 9 mm | | 1.066,00 | 1.264,23 |

# LASER DIODES - SMD

| Laser Diodes SMD \| 650 - 940 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| S6505SMD, 650 nm, 5 mW, SM, 70°C, SMD 5630, 5.6x3.0x0.8 mm | | 3,86 | 4,58 |
| S808200SMD, 808 nm, 200 mW, MM, 50°C, SMD 5630, 5.6x3.0x0.8 mm | | 15,20 | 18,03 |
| ADL-83Y51IY-F1, 830 nm, 250 mW, SMD 3.5x3.5x0.75 mm | | 35,24 | 41,79 |
| ADL-85Y51IY-F1, 850 nm, 250 mW, SMD 3.5x3.5x0.75 mm | | 35,24 | 41,79 |
| ADL-94Y01EY-F2, 940 nm, 200 mW, SMD 3.0x3.0x0.75 mm | | 22,62 | 26,83 |

| | | |
|---|---|---|
| ADL-94Y02IY-F1, 940 nm, 200 mW, SMD 3.5x3.5x0.75 mm | 35,71 | 42,35 |

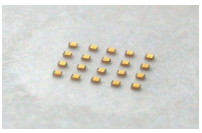
# LASER DIODES - PULSED

high power pulsed laser diodes

850, 904, 1550, 1610 and 1625 nm

| Laser Diodes PULSED \| 904 - 1625 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| PLD904-5-T, 904 nm, 5 W-pulse, 75 x 1 µm², TO-46 | EOL | 49,40 | 58,59 |
| LDMP-0905-20W-51, 905 nm, 20 W, single emitter, 50...200ns, 0.05%, 370x1 µm², 5.6 mm | | 77,00 | 91,32 |
| LDMP-0905-50W-93, 905 nm, 50 W, 2 stacks, 50...200 ns, 0.05%, 370x100 µm², 9 mm | | 159,00 | 188,57 |
| QL90V8SM-7, 905 nm, 21 W pulse, 100 ns, 0.01%, 75x10 µm, 85°C, 5.6 mm TO, no PD | | 74,30 | 88,12 |
| VL905P25M, 905 nm, 25 W, 100 ns, 0.05%, 60°C, 5.6 mm | | 27,80 | 32,97 |
| QL90V8SM, 905 nm, 25 W pulse, 100 ns, 0.01%, 200x1 µm, 85°C, 5.6 mm TO, no PD | | 74,30 | 88,12 |
| VL905P50, 905 nm, 50 W, 100 ns, 0.1%, 60°C, 5 mm epoxy | | 17,20 | 20,40 |
| QL90W8SM, 905 nm, 50 W pulse, 100 ns, 0.01%, 200x5 µm, 85°C, 5.6 mm TO, no PD | | 143,00 | 169,59 |
| VL905P75, 905 nm, 75 W, 100 ns, 0.1%, 60°C, 5 mm epoxy | | 23,70 | 28,11 |
| QL90X8SM, 905 nm, 75 W pulse, 100 ns, 0.01%, 200x10 µm, 85°C, 5.6 mm TO, no PD | | 155,00 | 183,82 |
| RLT-HPL905-50, 904 nm, 50 W-pulse, 50 ns, 370 x 100 µm², 9 mm | EOL | 236,00 | 279,89 |
| RLT1610-100MPG, 1610 nm, 1x200 µm, 100 mW-pulse, <1us, <50 kHz, 5%, Duty, 9 mm | | 198,00 | 234,82 |
| LD1625-C120, 1625 nm, FP, 120 mW, SM, pulsed mode, 10 us PW, 1%, DC, 5.6 mm | | 449,50 | 533,09 |

# LASER DIODES - BARE CHIP DIES



EPI wafer laser diode chip dies

635, 650, 980 ,1310 nm

| LD BARE CHIP DIES \| 635 - 1310 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| CHIP-635-P5, 635 nm, 5 mW, laser diode chip die, sm (no guarantee on bare dies!) | | 2,69 | 3,19 |
| CHIP-650-P5, 650 nm, 5 mW, laser diode chip, sm (no guarantee on bare dies!) | | 2,23 | 2,64 |
| CHIP-650-P10, 650 nm, 10 mW, laser diode chip, sm (no guarantee on bare dies!) | | 4,85 | 5,75 |
| CHIP-650-P30, 650 nm, 30 mW, laser diode chip, (no guarantee on bare dies!) | | 16,45 | 19,51 |
| CHIP-660-P100, 660 nm, 100 mW, laser diode chip, (no guarantee on bare dies!) | | 19,57 | 23,21 |
| CHIP-980-P52, 976 nm, 50 mW, laser diode chip die, sm (no guarantee on bare dies!) | | 2,92 | 3,46 |
| CHIP-1310-P5, 1310 nm, FP, 5 mW, SM, 2.5 GHz (no guarantee on bare dies!) | | 5,16 | 6,12 |

# LASER DIODES - PIGTAILED

Pigtailed Laser Diodes in coaxial package
- single and multi mode
- different connectors available

395 - 1650 nm

| LD PIGTAILED \| UV \| 395 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SPL375-100-C105M, 375 ±10 nm, 100 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial | | 1.085,70 | 1.287,59 |
| SPL395-200-C105M, 395 ±10 nm, 200 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial | | 679,70 | 806,10 |
| SPL395-200-C50M, 395 ±10 nm, 200 mW, MM fiber, 50 µm, N.A. 0.12, FC/PC, coaxial | | 793,00 | 940,46 |
| SPL400-15-3-PD, 400 ±5 nm, 15 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC, PD | | 1.078,90 | 1.279,53 |
| SPL400-15-PM-PD, 400 ±5 nm, 15 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC, PD | | 1.294,70 | 1.535,46 |
| SPL400-30-3-PD, 400 ±5 nm, 30 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC, PD | | 1.294,70 | 1.535,46 |
| SPL400-30-PM-PD, 400 ±5 nm, 30 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC, PD | | 1.510,50 | 1.791,39 |
| SPL400-400-C105M, 400 ±5 nm, 400 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial | | 906,30 | 1.074,83 |
| **LD PIGTAILED \| VIOLET \| 405 - 415 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL405-15-3, 405 nm, 15 mW, SM fiber, 3 µm, FC/PC | | 793,00 | 940,46 |
| SPL405-15-3-PD, 405 nm, 15 mW, SM fiber, 3 µm, FC/PC, PD | | 906,30 | 1.074,83 |
| SPL405-15-PM, 405 nm, 15 mW, PM fiber, 3 µm, FC/APC | | 1.078,90 | 1.279,53 |
| SPL405-15-PM-PD, 405 nm, 15 mW, PM fiber, 3 µm, FC/APC, PD | | 1.294,70 | 1.535,46 |
| SPL405-30-3, 405 nm, 30 mW, SM fiber, 3 µm, FC/PC | | 1.019,60 | 1.209,20 |
| SPL405-30-3-PD, 405 nm, 30 mW, SM fiber, 3 µm, FC/PC, PD | | 879,00 | 1.042,46 |
| SPL405-30-PM, 405 nm, 30 mW, PM fiber, 3 µm, FC/APC | | 1.294,70 | 1.535,46 |
| SPL405-30-PM-PD, 405 nm, 30 mW, PM fiber, 3 µm, FC/APC, PD | | 1.402,60 | 1.663,43 |
| SPL405-40-3-PD, 405 nm, 40 mW, SM fiber, 3 µm, FC/PC, PD | | 916,00 | 1.086,34 |
| SPL405-50-3-PD, 405 nm, 50 mW, SM fiber, 3 µm, FC/PC, PD | | 969,00 | 1.149,19 |
| SPL405-50-PM, 405 nm, 50 mW, PM fiber, 3 µm, FC/APC | | 1.018,00 | 1.207,31 |
| SPL405-200-C105M, 405 nm, 200 mW, MM fiber, 105 µm, FC/PC, coaxial package | | 453,20 | 537,48 |

| | | |
|---|---|---|
| SPL405-300-C105M, 405 nm, 300 mW, MM fiber, 105 µm, FC/PC, coaxial package | 566,40 | 671,73 |

| | | | |
|---|---|---|---|
| SPL405-300-C105M-SMA, 405 nm, 300 mW, MM fiber, 105 µm, SMA905, coaxial package | | 589,10 | 698,65 |
| SPL405-450-C105M, 405 nm, 450 mW, MM fiber, 105 µm, FC/PC, coaxial package | | 679,70 | 806,10 |
| SPL405-450-C105M-SMA, 405 nm, 450 mW, MM fiber, 105 µm, SMA905, coaxial package | | 702,40 | 833,02 |
| SPL410-300-C105M, 410 ±5 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial | | 1.078,90 | 1.279,53 |
| SPL413-300-C105M, 413 ±5 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, coaxial | | 1.294,70 | 1.535,46 |
| **LD PIGTAILED \| BLUE \| 445 - 480 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL445-15-3, 450 nm, 15 mW, SM fiber, 3 µm, FC/PC | | 453,20 | 537,48 |
| SPL445-30-3, 450 nm, 30 mW, SM fiber, 3 µm, FC/PC | | 566,40 | 671,73 |
| SPL445-30-PM, 450 nm, 30 mW, PM fiber, 3 µm, FC/APC | | 906,30 | 1.074,83 |
| SPL445-40-3, 450 nm, 40 mW, SM fiber, 3 µm, FC/PC | | 679,70 | 806,10 |
| SPL445-50-3, 450 nm, 50 mW, SM fiber, 3 µm, FC/PC | | 793,00 | 940,46 |
| SPL445-50-PM, 450 nm, 50 mW, PM fiber, 3 µm, FC/APC | | 1.186,80 | 1.407,50 |
| SPL445-50-105M, 450 nm, 50 mW, MM fiber, 105 µm, FC/PC | | 213,60 | 253,32 |
| SPL445-70-3, 450 nm, 70 mW, SM fiber, 3 µm, FC/PC | | 1.186,80 | 1.407,50 |
| SPL445-80-105M, 450 nm, 80 mW, MM fiber, 105 µm, FC/PC | | 226,60 | 268,74 |
| SPL445-100-105M, 450 nm, 100 mW, MM fiber, 105 µm, FC/PC | | 271,90 | 322,46 |
| SPL445-500-C105M, 450 nm, 500 mW, MM fiber, 105 µm, FC/PC, coaxial package | | 271,90 | 322,46 |
| SPL445-800-105M, 450 nm, 800 mW, MM fiber, 105 µm, FC/PC | | 294,60 | 349,38 |
| SPL445-1W-C105M, 450 nm, 1 W, MM fiber, 105 µm, FC/PC, coaxial package | | 339,90 | 403,11 |
| SPL460-30-3, 460 nm, 30 mW, SM fiber, 3 µm, FC/PC | | 699,00 | 828,98 |
| SPL460-30-PM, 460 nm, 30 mW, PM fiber, 3 µm, FC/APC | | 928,60 | 1.101,28 |
| SPL460-50-3, 460 nm, 50 mW, SM fiber, 3 µm, FC/PC | | 928,60 | 1.101,28 |
| SPL460-50-PM, 460 nm, 50 mW, PM fiber, 3 µm, FC/APC | | 1.207,10 | 1.431,57 |
| SPL460-100-105M, 460 nm, 100 mW, MM fiber, 105 µm, FC/PC | | 566,40 | 671,73 |
| SPL465-2W-105M, 465 nm, 2 W, MM fiber, 105 µm, FC/PC | | 793,00 | 940,46 |
| SPL473-10-3, 473 ±10 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 1.078,90 | 1.279,53 |
| SPL473-10-PM, 473 ±10 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.726,30 | 2.047,32 |
| SPL473-20-3, 473 ±10 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 1.294,70 | 1.535,46 |
| SPL473-20-PM, 473 ±10 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.942,10 | 2.303,25 |
| SPL480-10-3, 480 ±5 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 1.078,90 | 1.279,53 |
| SPL480-10-PM, 480 ±5 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.726,30 | 2.047,32 |
| SPL480-20-3, 480 ±5 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 1.294,70 | 1.535,46 |
| SPL480-20-PM, 480 ±5 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.942,10 | 2.303,25 |
| **LD PIGTAILED \| CYAN \| 488 - 495 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL488-10-3, 488 nm, 10 mW, SM fiber, 3 µm, FC/PC | | 566,40 | 671,73 |
| SPL488-10-PM, 488 nm, 10 mW, PM fiber, 3 µm, FC/APC | | 906,30 | 1.074,83 |
| SPL488-20-3, 488 nm, 20 mW, SM fiber, 3 µm, FC/PC | | 679,70 | 806,10 |
| SPL488-20-PM, 488 nm, 20 mW, PM fiber, 3 µm, FC/APC | | 1.019,60 | 1.209,20 |
| SPL488-30-3, 488 nm, 30 mW, SM fiber, 3 µm, FC/PC | | 906,30 | 1.074,83 |
| SPL488-30-PM, 488 nm, 30 mW, PM fiber, 3 µm, FC/APC | | 1.186,80 | 1.407,50 |
| SPL488-40-105M, 488 nm, 40 mW, MM fiber, 105 µm, FC/PC | | 362,50 | 429,91 |
| SPL488-50-105M, 488 nm, 50 mW, MM fiber, 105 µm, FC/PC | | 362,50 | 429,91 |
| SPL495-10-3, 495 ±5 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 679,70 | 806,10 |
| SPL495-10-PM, 495 ±5 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.019,60 | 1.209,20 |
| SPL495-20-3, 495 ±5 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 793,00 | 940,46 |
| SPL495-20-PM, 495 ±5 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.078,90 | 1.279,53 |
| SPL495-50-105M, 495 ±5 nm, 50 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC | | 453,20 | 537,48 |
| **LD PIGTAILED \| GREEN \| 505 - 520 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL505-10-3, 505 ±10 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 679,70 | 806,10 |
| SPL505-10-PM, 505 ±10 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.019,60 | 1.209,20 |
| SPL505-20-3, 505 ±10 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC | | 793,00 | 940,46 |
| SPL505-20-PM, 505 ±10 nm, 20 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC | | 1.078,90 | 1.279,53 |
| SPL505-30-105M, 505 ±10 nm, 30 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC | | 271,90 | 322,46 |
| SPL505-50-105M, 505 ±10 nm, 50 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC | | 339,90 | 403,11 |
| SPL510-10-SM, 510 ±10 nm, 10 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC con. | | 599,00 | 710,39 |
| SPL510-10-PM, 510 ±10 nm, 10 mW, PM fiber, 3 µm, N.A. 0.12, FC/APC con. | | 881,00 | 1.044,83 |
| SPL510-20-SM, 510 ±10 nm, 20 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC con. | | 762,00 | 903,70 |
| SPL510-20-PM, 510 ±10 nm, 20 mW, PM fiber, 3 µm, , N.A. 0.12, FC/APC con. | | 969,00 | 1.149,19 |
| SPL520-1-3-PD, 520 nm, 1 mW, SM fiber, 3 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL520-10-3-PD, 520 nm, 10 mW, SM fiber, 3 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL520-10-PM-PD, 520 nm, 10 mW, PM fiber, 3 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL520-20-3-PD, 520 nm, 20 mW, SM fiber, 3 µm, FC/PC, PD | | 616,00 | 730,55 |
| SPL520-20-PM-PD, 520 nm, 20 mW, PM fiber, 3 µm, FC/APC, PD | | 1.078,90 | 1.279,53 |
| SPL520-25-3-PD, 520 nm, 25 mW, SM fiber, 3 µm, FC/PC, PD | | 906,30 | 1.074,83 |
| SPL520-30-3, 520 nm, 30 mW, SM fiber, 3 µm, FC/PC | | 598,00 | 709,20 |
| SPL520-30-3-PD, 520 nm, 30 mW, SM fiber, 3 µm, FC/PC, PD | | 740,00 | 877,61 |
| SPL520-30-PM, 520 nm, 30 mW, PM fiber, 3 µm FC/APC | | 1.019,60 | 1.209,20 |
| SPL520-30-PM-PD, 520 nm, 30 mW, PM fiber, 3 µm, FC/APC, PD | | 1.078,90 | 1.279,53 |
| SPL520-40-3, 520 nm, 40 mW, SM fiber, 3 µm, FC/PC | | 698,00 | 827,80 |
| SPL520-40-PM, 520 nm, 40 mW, PM fiber, 3 µm, FC/APC | | 1.078,90 | 1.279,53 |
| SPL520-40-PM-PD, 520 nm, 40 mW, PM fiber, 3 µm, FC/APC, PD | | 1.186,80 | 1.407,50 |

| | | |
|---|---|---|
| SPL520-50-3, 520 nm, 50 mW, SM fiber, 3 µm, FC/PC | 895,00 | 1.061,43 |

| | | | |
|---|---|---|---|
| SPL520-50-PM, 520 nm, 50 mW, PM fiber, 3 µm, FC/APC | | 1.402,60 | 1.663,43 |
| SPL520-50-105M-PD, 520 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL520-80-9, 520 ±10 nm, 80 mW, SM fiber, 9 µm, N.A. 0.12, FC/PC | | 566,40 | 671,73 |
| SPL520-80-105M, 520 nm, 80 mW, MM fiber, 105 µm, FC/PC | | 339,90 | 403,11 |
| SPL520-100-105M, 520 nm, 100 mW, MM fiber, 105 µm, FC/PC | | 339,90 | 403,11 |
| SPL520-200-105M, 520 nm, 200 mW, MM fiber, 105 µm, FC/PC | | 407,80 | 483,63 |
| SPL520-800-105M, 520 nm, >700 mW, MM fiber, 105 µm, FC/PC | | 566,40 | 671,73 |
| **LD PIGTAILED \| RED \| 633 - 685 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL633-30-4, 633 ±5 nm, 30 mW, SM fiber, 4 µm, N.A. 0.12, FC/PC | | 679,70 | 806,10 |
| SPL633-30-PM, 633 ±5 nm, 30 mW, PM fiber, 4 µm, N.A. 0.12, FC/APC | | 1.078,90 | 1.279,53 |
| SPL633-50-4, 633 ±5 nm, 50 mW, SM fiber, 4 µm, N.A. 0.12, FC/PC | | 906,30 | 1.074,83 |
| SPL633-50-PM, 633 ±5 nm, 50 mW, PM fiber, 4 µm, N.A. 0.12, FC/APC | | 1.186,80 | 1.407,50 |
| SPL635-1-4-PD, 635 nm, >1 mW, SM fiber, 4 µm, FC/PC, PD | | 189,90 | 225,21 |
| SPL635-2-4-PD, 635 ±5 nm, 2 mW, SM fiber, 4 µm, FC/PC, PD | | 189,90 | 225,21 |
| SPL635-3-4-PD, 638 nm, 3 mW, SM fiber, 4 µm, FC/PC, PD | | 213,60 | 253,32 |
| SPL635-5-4-PD, 638 nm, 5 mW, SM fiber, 4 µm, FC/PC, PD | | 219,00 | 259,72 |
| SPL635-5-105M-PD, 635 nm, 5 mW, MM fiber, 105 µm, FC/PC | | 124,10 | 147,18 |
| SPL635-10-4-PD, 638 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL635-10-9-PD, 638 nm, 10 mW, SM fiber, 9 µm, FC/PC, PD | | 213,60 | 253,32 |
| SPL635-10-PM-PD, 638 nm, 10 mW, PM fiber, 4 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| RLCD-S63-10, 635 ±5 nm, 10 mW, SM fiber, 4 µm, NA 0.13, FC/APC | EOL | 440,00 | 521,82 |
| RLCD-S63-20, 635 ±5 nm, 20 mW, SM fiber, 4 µm, NA 0.13, no connector, no photodiode | EOL | 525,00 | 622,63 |
| SPL635-30-4, 638 nm, 30 mW, SM fiber, 4 µm, FC/PC | | 453,20 | 537,48 |
| SPL635-30-4-PD, 638 nm, 30 mW, SM fiber, 4 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL635-30-PM-PD, 638 nm, 30 mW, PM fiber, 4 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL635-30-105M-PD, 638 nm, 30 mW, MM fiber, 105 µm, FC/PC, PD | | 213,60 | 253,32 |
| SPL635-50-4, 638 nm, 50 mW, SM fiber, 4 µm, FC/PC | | 566,40 | 671,73 |
| SPL635-50-4-PD, 638 nm, 50 mW, SM fiber, 4 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL635-50-9, 638 nm, 50 mW, SM fiber, 9 µm, FC/PC | | 339,90 | 403,11 |
| SPL635-50-9-PD, 638 nm, 50 mW, SM fiber, 9 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL635-50-PM-PD, 638 nm, 50 mW, PM fiber, 4 µm, FC/APC, PD | | 1.078,90 | 1.279,53 |
| SPL635-70-4, 638 nm, 70 mW, SM fiber, 4 µm, FC/PC | | 793,00 | 940,46 |
| SPL635-80-4-PD, 638 nm, 80 mW, SM fiber, 4 µm, FC/PC, PD | | 906,30 | 1.074,83 |
| SPL635-80-9, 638 nm, 80 mW, SM fiber, 9 µm, FC/PC | | 453,20 | 537,48 |
| SPL635-80-9-PD, 638 nm, 80 mW, SM fiber, 9 µm, FC/PC, PD | | 453,20 | 537,48 |
| SPL635-80-PM-PD, 638 nm, 80 mW, PM fiber, 4 µm, FC/APC, PD | | 1.726,30 | 2.047,32 |
| SPL635-100-4-PD, 638 nm, 100 mW, SM fiber, 4 µm, FC/PC, PD | | 1.019,60 | 1.209,20 |
| SPL635-100-9, 638 nm, 100 mW, SM fiber, 9 µm, FC/PC | | 499,50 | 592,39 |
| SPL635-100-9-PD, 638 nm, 100 mW, SM fiber, 9 µm, FC/PC, PD | | 499,50 | 592,39 |
| SPL635-100-PM-PD, 638 nm, 100 mW, PM fiber, 4 µm, FC/APC, PD | | 1.942,10 | 2.303,25 |
| SPL635-120-105M, 638 nm, 120 mW, MM fiber, 105 µm, FC/PC | | 213,60 | 253,32 |
| SPL635-120-105M-PD, 638 nm, 120 mW, MM fiber, 105 µm, FC/PC, PD | | 226,60 | 268,74 |
| SPL635-150-105M-PD, 638 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL635-300-105M, 638 nm, 300 mW, MM fiber, 105 µm, FC/PC | | 226,60 | 268,74 |
| SPL635-350-105M, 638 nm, 350 mW, MM fiber, 105 µm, FC/PC | | 226,60 | 268,74 |
| SPL635-400-105M, 638 nm, 400 mW, MM fiber, 105 µm, FC/PC | | 271,90 | 322,46 |
| SPL635-1W-105M, 638 nm, 1 W, MM fiber, 105 µm, FC/PC | | 566,40 | 671,73 |
| SPL635-1W8-200M, 638 nm, 1.8 W, MM fiber, 200 µm, FC/PC | | 679,70 | 806,10 |
| SPL650-3-4-PD, 658 nm, 3 mW, SM fiber, 4 µm, FC/PC, PD | | 248,20 | 294,35 |
| SPL650-5-4-PD, 658 nm, 5 mW, SM fiber, 4 µm, FC/PC, PD | | 249,20 | 295,54 |
| SPL650-10-4-PD, 658 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD | | 317,20 | 376,19 |
| SPL650-10-PM-PD, 658 nm, 10 mW, PM fiber, 4 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL650-15-4-PD, 658 nm, 15 mW, SM fiber, 4 µm, FC/PC, PD | | 362,50 | 429,91 |
| SPL650-20-4-PD, 658 nm, 20 mW, SM fiber, 4 µm, FC/PC, PD | | 453,20 | 537,48 |
| SPL650-20-C4, 658 nm, 20 mW, SM fiber, 4 µm, FC/PC, coaxial package | | 166,20 | 197,11 |
| SPL650-20-C9, 658 nm, 20 mW, SM fiber, 9 µm, FC/PC, coaxial package | | 142,40 | 168,88 |
| SPL650-30-PM, 658 nm, 30 mW, PM fiber, 4 µm, FC/APC | | 906,30 | 1.074,83 |
| SPL650-30-105M-PD, 658 nm, 30 mW MM fiber, 105 µm, FC/PC, PD | | 189,90 | 225,21 |
| SPL650-50-4, 658 nm, 50 mW, SM fiber, 4 µm, FC/PC | | 566,40 | 671,73 |
| SPL650-50-9, 658 nm, 50 mW, SM fiber, 9 µm, FC/PC | | 262,00 | 310,72 |
| SPL650-50-PM, 658 nm, 50 mW, PM fiber, 4 µm, FC/APC | | 1.019,60 | 1.209,20 |
| SPL650-80-4, 658 nm, 80 mW, SM fiber, 4 µm, FC/PC | | 793,00 | 940,46 |
| SPL650-80-PM, 658 nm, 80 mW, PM fiber, 4 µm, FC/APC | | 1.186,80 | 1.407,50 |
| SPL650-80-9, 658 nm, 80 mW, SM fiber, 9 µm, FC/PC | | 339,90 | 403,11 |
| SPL650-100-9, 658 nm, 100 mW, SM fiber, 9 µm, FC/PC | | 453,20 | 537,48 |
| SPL650-100-4, 658 nm, 100 mW, SM fiber, 4 µm, FC/PC | | 1.019,60 | 1.209,20 |
| SPL650-100-PM, 658 nm, 100 mW, PM fiber, 4 µm, FC/APC | | 1.510,50 | 1.791,39 |
| SPL650-120-105M, 658 nm, 120 mW, MM fiber, 105 µm, FC/PC | | 226,60 | 268,74 |
| SPL650-150-105M, 658 nm, 150 mW, MM fiber, 105 µm, FC/PC | | 271,90 | 322,46 |
| SPL650-1W-105M, 658 nm, 1 W, MM fiber, 105 µm, FC/PC | | 861,00 | 1.021,11 |

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|---|---|---|---|
| SPL670-3-4-PD, 670 nm, 3 mW, SM fiber, 4 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL670-3-PM-PD, 670 nm, 3 mW, PM fiber, 4 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL670-5-4-PD, 670 nm, 5 mW, SM fiber, 4 µm, FC/PC, PD | | 793,00 | 940,46 |
| SPL670-5-PM-PD, 670 nm, 5 mW, PM fiber, 4 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL670-5-105M-PD, 670 nm, 5 mW, MM fiber, 105 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL670-10-105M-PD, 670 nm, 10 mW, MM fiber, 105 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL670-50-SM, 670 ±10 nm, 50 mW, SM fiber, 4 µm, N.A. 0.12, FC/PC con. | | 599,00 | 710,39 |
| SPL670-50-PM, 670 ±10 nm, 50 mW, PM fiber, 4 µm, N.A. 0.12, FC/PC con. | | 857,00 | 1.016,37 |
| SPL685-10-4-PD, 685 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL685-10-PM-PD, 685 nm, 10 mW, PM fiber, 4 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL685-15-4-PD, 685 nm, 15 mW, SM fiber, 4 µm, FC/PC, PD | | 679,70 | 806,10 |
| SPL685-15-PM-PD, 685 nm, 15 mW, PM fiber, 4 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL685-20-4-PD, 685 nm, 20 mW, SM fiber, 4 µm, FC/PC, PD | | 793,00 | 940,46 |
| SPL685-20-PM-PD, 685 nm, 20 mW, PM fiber, 4 µm, FC/APC, PD | | 1.186,80 | 1.407,50 |
| SPL685-30-105M-PD, 685 nm, 30 mW, MM fiber, 105 µm, FC/PC, PD | | 294,60 | 349,38 |
| **LD PIGTAILED \| INFRARED \| 785 - 940 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL785-5-5-PD, 785 nm, 5 mW, SM fiber, 5 µm, FC/PC, PD | | 328,60 | 389,71 |
| SPL785-30-5-PD, 785 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL785-30-PM-PD, 785 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL785-40-5-PD, 785 nm, 40 mW, SM fiber, 5 µm, FC/PC, PD | | 793,00 | 940,46 |
| SPL785-40-PM-PD, 785 nm, 40 mW, PM fiber, 5 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL785-50-5-PD, 785 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 1.019,60 | 1.209,20 |
| SPL785-50-PM-PD, 785 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD | | 1.186,80 | 1.407,50 |
| SPL785-50-105M-PD, 785 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD | | 226,60 | 268,74 |
| SPL808-20-5-PD, 808 nm, 20 mW, SM fiber, 5 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL808-20-PM-PD, 808 nm, 20 mW, PM fiber, 5 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL808-30-PM-PD, 808 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| RLCD-M81-40, 808 ±5 nm, 40 mW, MM fiber, 62.5 µm, FC connector | | 240,00 | 284,63 |
| SPL808-40-5-PD, 808 nm, 40 mW, SM fiber, 5 µm, FC/PC, PD | | 793,00 | 940,46 |
| SPL808-50-5-PD, 808 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 1.019,60 | 1.209,20 |
| RLCD-M81-60, 808 ±5 nm, 60 mW, MM fiber, 62.5 µm, FC connector | | 237,60 | 281,78 |
| SPL808-30-5-PD, 808 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD | | 679,70 | 806,10 |
| SPL808-150-65M-PD, 808 nm, 150 mW, MM fiber, 62.5 µm, FC/PC, PD | | 201,80 | 239,33 |
| SPL808-200-105M-PD, 808 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD | | 186,20 | 220,83 |
| SPL830-5-5-PD, 830 nm, 5 mW, SM fiber, 5 µm, FC/PC, PD | | 362,50 | 429,91 |
| SPL830-30-5-PD, 830 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL830-30-PM-PD, 830 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD | | 793,00 | 940,46 |
| SPL830-50-5-PD, 830 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 679,70 | 806,10 |
| SPL830-50-PM-PD, 830 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL830-80-5-PD, 830 nm, 80 mW, SM fiber, 5 µm, FC/PC, PD | | 906,30 | 1.074,83 |
| SPL830-80-PM-PD, 830 nm, 80 mW, PM fiber, 5 µm, FC/APC, PD | | 1.078,90 | 1.279,53 |
| SPL830-100-5-PD, 830 nm, 100 mW, SM fiber, 5 µm, FC/PC, PD | | 1.186,80 | 1.407,50 |
| SPL830-100-PM-PD, 830 nm, 100 mW, PM fiber, 5 µm, FC/APC, PD | | 1.186,80 | 1.407,50 |
| SPL830-150-105M-PD, 830 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD | | 226,60 | 268,74 |
| SPL830-200-105M-PD, 830 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL850-10-5-PD, 850 nm, 10 mW, SM fiber, 5 µm, FC/PC, PD | | 453,20 | 537,48 |
| SPL850-30-5-PD, 850 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL850-30-PM-PD, 850 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL850-50-5-PD, 850 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 679,70 | 806,10 |
| SPL850-50-PM-PD, 850 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL850-50-105M-PD, 850 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD | | 178,00 | 211,10 |
| SPL850-70-5-PD, 850 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 793,00 | 940,46 |
| SPL850-70-PM-PD, 850 nm, 70 mW, PM fiber, 5 µm, FC/APC, PD | | 1.186,80 | 1.407,50 |
| SPL850-120-105M-PD, 850 nm, 120 mW, MM fiber, 105 µm, FC/PC, PD | | 226,60 | 268,74 |
| SPL850-200-105M-PD, 850 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL880-2-5-PD, 880 nm, >1 mW, SM fiber, 5 µm, FC/PC, PD | | 453,20 | 537,48 |
| SPL880-2-PM-PD, 880 nm, >1 mW, PM fiber, 5 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL880-2-105M-PD, 880 nm, 2 mW, MM fiber, 105 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL905-30-5-PD, 905 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL905-30-PM-PD, 905 nm, 30 mW, PM fiber, 5 µm, FC/APC, PD | | 906,30 | 1.074,83 |
| SPL905-50-4-PD, 905 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 679,70 | 806,10 |
| SPL905-50-PM-PD, 905 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL905-50-105-PD, 905 nm, 50 mW, MM fiber, 105 µm, FC/PC, PD | | 249,20 | 295,54 |
| SPL905-70-4-PD, 905 nm, 70 mW, SM fiber, 5 µm, FC/PC, PD | | 906,30 | 1.074,83 |
| SPL905-100-105-PD, 905 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD | | 294,60 | 349,38 |
| SPL940-30-5-PD, 940 nm, 30 mW, SM fiber, 5 µm, FC/PC, PD | | 566,40 | 671,73 |
| SPL940-30-9-PD, 940 nm, 30 mW, SM fiber, 9 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL940-30-PM-PD, 940 ±10 nm, 30 mW, PM fiber, 4 µm, FC/APC | | 906,30 | 1.074,83 |
| SPL940-50-5-PD, 940 nm, 50 mW, SM fiber, 5 µm, FC/PC, PD | | 679,70 | 806,10 |
| SPL940-50-9-PD, 940 nm, 50 mW, SM fiber, 9 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL940-50-PM-PD, 940 nm, 50 mW, PM fiber, 5 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL940-80-5-PD, 940 nm, 80 mW, SM fiber, 5 µm, FC/PC, PD | | 793,00 | 940,46 |

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|---|---|---|---|
| SPL940-80-PM-PD, 940 nm, 80 mW, PM fiber, 5 µm, FC/APC, PD | | 1.078,90 | 1.279,53 |
| SPL940-100-5-PD, 940 nm, 100 mW, SM fiber, 5 µm, FC/PC, PD | | 906,30 | 1.074,83 |
| SPL940-100-9-PD, 940 nm, 100 mW, SM fiber, 9 µm, FC/PC, PD | | 453,20 | 537,48 |
| SPL940-100-105M-PD, 940 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD | | 271,90 | 322,46 |
| SPL940-150-105M-PD, 940 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL940-200-105M-PD, 940 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD | | 407,80 | 483,63 |
| **LD PIGTAILED \| INFRARED \| 980 - 1390 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL980-10-6-PD, 976 nm, 10 mW, SM fiber, 6 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL980-10-9-PD, 976 nm, 10 mW, SM fiber, 9 µm, FC/PC, PD | | 189,90 | 225,21 |
| SPL980-15-9-PD, 976 nm, 15 mW, SM fiber, 9 µm, FC/PC, PD | | 214,30 | 254,15 |
| SPL980-20-9-PD, 976 nm, 20 mW, SM fiber, 9 µm, FC/PC, PD | | 238,10 | 282,38 |
| SPL980-100-105M-PD, 976 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD | | 189,90 | 225,21 |
| SPL980-150-105M-PD, 976 nm, 150 mW, MM fiber, 105 µm, FC/PC, PD | | 213,60 | 253,32 |
| SPL1064-10-6-PD, 1064 nm, 10 mW, SM fiber, 6 µm, FC/PC, PD | | 399,00 | 473,20 |
| SPL1064-10-9-PD, 1064 nm, 10 mW, SM fiber, 9 µm, FC/PC, PD | | 360,10 | 427,06 |
| SPL1064-10-PM-PD, 1064 nm, 10 mW, PM fiber, 6 µm, FC/APC, PD | | 761,90 | 903,58 |
| SPL1064-15-6-PD, 1064 nm, 15 mW, SM fiber, 6 µm, FC/PC, PD | | 466,20 | 552,89 |
| SPL1064-30-105M-PD, 1064 nm, 30 mW, MM fiber, 105 µm, FC/PC, PD | | 294,60 | 349,38 |
| SPL1064-100-105M-PD, 1064 nm, 100 mW, MM fiber, 105 µm, FC/PC, PD | | 339,90 | 403,11 |
| SPL1270-2-C9-PDI, 1270 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1270-2-PM-PDI, 1270 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1270-5-9-PDI, 1270 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1270-5-PM-PDI, 1270 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1270-10-9-PDI, 1270 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1270-10-PM-PDI, 1270 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1290-2-9-PDI, 1290 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 339,90 | 403,11 |
| SPL1290-2-C9-PDI, 1290 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1290-2-PM-PDI, 1290 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1290-5-9-PDI, 1290 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1290-5-PM-PDI, 1290 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1290-10-9-PDI, 1290 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1290-10-PM-PDI, 1290 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| FU-17SLD-F3M1, 1310 ±20 nm, 0.5 mW, FC-receptacle | | 142,04 | 168,45 |
| LFO-14-IP, 1310 ±20 nm, 1 mW, FP, SM, 9/125 fiber, FC connector | EOL | 262,00 | 310,72 |
| LFO-14-D, 1310 ±20 nm, >1 mW, FP, SM, 9/125 fiber, FC connector, internal driver, 3V | EOL | 283,00 | 335,63 |
| SPL1310FP-1-C9-PD, 1310 nm, 1 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package | | 79,30 | 94,05 |
| SPL1310FP-2-C9-PD, 1310 nm, 2 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package | | 102,00 | 120,97 |
| SPL1310-2-C9-PDI, 1310 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1310-2-PM-PDI, 1310 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1310-3-C9-PD, 1310 nm, ≥2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, coaxial package | | 189,90 | 225,21 |
| SPL1310-5-9-PD, 1310 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD | | 226,60 | 268,74 |
| SPL1310-5-9-PDI, 1310 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1310-5-PM-PDI, 1310 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1310-10-9-PD, 1310 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD | | 305,90 | 362,78 |
| SPL1310-10-9-PDI, 1310 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1310-10-PM-PD, 1310 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD | | 799,00 | 947,58 |
| SPL1310-10-PM-PDI, 1310 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 761,90 | 903,58 |
| SPL1310-15-9-PD, 1310 nm, 15 mW, DFB, SM fiber, 9 µm, FC/PC, PD | | 362,50 | 429,91 |
| SPL1310-15-PM-PD, 1310 nm, 15 mW, DFB, PM fiber, 9 µm, FC/APC, PD | | 1.019,60 | 1.209,20 |
| SPL1310-15-PM-PDI, 1310 nm, 15 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.087,60 | 1.289,85 |
| SPL1330-2-C9-PDI, 1330 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1330-2-PM-PDI, 1330 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1330-5-9-PDI, 1330 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1330-5-PM-PDI, 1330 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1330-10-9-PDI, 1330 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1330-10-PM-PDI, 1330 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1350-2-C9-PDI, 1350 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1350-2-PM-PDI, 1350 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1350-5-9-PDI, 1350 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1350-5-PM-PDI, 1350 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1350-10-9-PDI, 1350 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1350-10-PM-PDI, 1350 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1370-2-C9-PDI, 1370 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1370-2-PM-PDI, 1370 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1370-5-9-PDI, 1370 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1370-5-PM-PDI, 1370 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1370-10-9-PDI, 1370 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |

| | | | |
|---|---|---|---|
| SPL1370-10-PM-PDI, 1370 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1390-2-C9-PDI, 1390 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1390-2-PM-PDI, 1390 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1390-5-9-PDI, 1390 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1390-5-PM-PDI, 1390 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1390-10-9-PDI, 1390 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1390-10-PM-PDI, 1390 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| **LD PIGTAILED \| INFRARED \| 1410 - 1650 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPL1410-2-C9-PDI, 1410 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1410-2-PM-PDI, 1410 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1410-5-9-PDI, 1410 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1410-5-PM-PDI, 1410 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1410-10-9-PDI, 1410 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1410-10-PM-PDI, 1410 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1430-2-C9-PDI, 1430 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1430-2-PM-PDI, 1430 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1430-5-9-PDI, 1430 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1430-5-PM-PDI, 1430 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1430-10-9-PDI, 1430 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1430-10-PM-PDI, 1430 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1450-2-C9-PDI, 1450 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1450-2-PM-PDI, 1450 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1450-5-9-PDI, 1450 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1450-5-PM-PDI, 1450 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1450-10-9-PDI, 1450 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1450-10-PM-PDI, 1450 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1470-2-C9-PDI, 1470 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1470-2-PM-PDI, 1470 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1470-5-9-PDI, 1470 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1470-5-PM-PDI, 1470 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1470-10-9-PDI, 1470 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1470-10-PM-PDI, 1470 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1490-2-C9-PDI, 1490 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1490-2-PM-PDI, 1490 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1490-5-9-PDI, 1490 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1490-5-PM-PDI, 1490 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1490-10-9-PDI, 1490 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1490-10-PM-PDI, 1490 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1510-2-C9-PDI, 1510 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1510-2-PM-PDI, 1510 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1510-5-9-PDI, 1510 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1510-5-PM-PDI, 1510 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1510-10-9-PDI, 1510 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1510-10-PM-PDI, 1510 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1530-2-C9-PDI, 1530 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1530-2-PM-PDI, 1530 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1530-5-9-PDI, 1530 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1530-5-9-PDI-FCA, 1530 nm, 5 mW, DFB, SM fiber, 9 µm, FC/APC, PD, isolator | | 407,80 | 483,63 |
| SPL1530-5-PM-PDI, 1530 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1530-10-9-PDI, 1530 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 498,50 | 591,20 |
| SPL1530-10-PM-PDI, 1530 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.078,90 | 1.279,53 |
| SPL1550FP-1-C9-PD, 1550 nm, 1 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package | | 79,30 | 94,05 |
| SPL1550FP-2-C9-PD, 1550 nm, 2 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package | | 107,14 | 127,06 |
| SPL1550FP-2-C9-PDI, 1550 nm, 2 mW, FP, SM fiber, 9 µm, FC/PC, PD, coaxial package, optical isolator | | 119,00 | 141,13 |
| SPL1550-2-C9-PDI, 1550 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 207,00 | 245,49 |
| SPL1550-2-PM-PDI, 1550 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 699,00 | 828,98 |
| SPL1550-2-C9-PD, 1550 ±10 nm, 2 mW, DFB, 1.25 GB/s, SM fiber, 9 µm, N.A 0.12, coaxial package | | 184,00 | 218,22 |
| SPL1550-3-C9-PD, 1550 nm, ≥2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, coaxial package | | 189,90 | 225,21 |
| SPL1550-3-C9-PD-FCA, 1550 nm, ≥2 mW, DFB, SM fiber, 9 µm, FC/APC, PD, coaxial package | | 189,90 | 225,21 |
| SPL1550-5-9-PD, 1550 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD | | 226,60 | 268,74 |
| SPL1550-5-9-PDI, 1550 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 253,00 | 300,05 |
| SPL1550-5-PM-PDI, 1550 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1550-8-9-PD, 1550 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD | | 305,90 | 362,78 |
| SPL1550-10-9-PD, 1550 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD | | 362,50 | 429,91 |
| SPL1550-10-9-PDI, 1550 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 414,00 | 490,99 |
| SPL1550-10-PM-PDI, 1550 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 1.019,60 | 1.209,20 |
| SPL1570-2-C9-PDI, 1570 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | | 339,90 | 403,11 |
| SPL1570-2-PM-PDI, 1570 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 793,00 | 940,46 |
| SPL1570-5-9-PDI, 1570 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | | 407,80 | 483,63 |
| SPL1570-5-9-PDI-FCA, 1570 nm, 5 mW, DFB, SM fiber, 9 µm, FC/APC, PD, isolator | | 407,80 | 483,63 |
| SPL1570-5-PM-PDI, 1570 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | | 906,30 | 1.074,83 |
| SPL1570-10-9-PDI, 1570 ±10 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC con., photodiode, isolator | | 524,00 | 621,44 |

| | | |
|---|---|---|
| SPL1570-10-PM-PDI, 1570 ±10 nm, 10 mW, DFB, PM fiber, 9 µm, FC/APC con., photodiode, isolator | 857,00 | 1.016,37 |
| SPL1590-2-C9-PDI, 1590 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | 339,90 | 403,11 |
| SPL1590-2-PM-PDI, 1590 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 793,00 | 940,46 |
| SPL1590-5-9-PDI, 1590 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 407,80 | 483,63 |
| SPL1590-5-PM-PDI, 1590 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 906,30 | 1.074,83 |
| SPL1590-8-9-PDI, 1590 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 498,50 | 591,20 |
| SPL1610-2-C9-PDI, 1610 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | 339,90 | 403,11 |
| SPL1610-2-PM-PDI, 1610 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 793,00 | 940,46 |
| SPL1610-5-9-PDI, 1610 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 407,80 | 483,63 |
| SPL1610-5-PM-PDI, 1610 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 906,30 | 1.074,83 |
| SPL1610-8-9-PDI, 1610 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 498,50 | 591,20 |
| SPL1625-2-9-PDI, 1625 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 453,20 | 537,48 |
| SPL1625-2-C9-PDI, 1625 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | 453,20 | 537,48 |
| SPL1625-2-PM-PDI, 1625 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 1.019,60 | 1.209,20 |
| SPL1625-5-9-PDI, 1625 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 566,40 | 671,73 |
| SPL1625-5-PM-PDI, 1625 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 1.078,90 | 1.279,53 |
| SPL1625-8-9-PDI, 1625 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 679,70 | 806,10 |
| SPL1650-2-9-PDI, 1650 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 453,20 | 537,48 |
| SPL1650-2-C9-PDI, 1650 nm, 2 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator, coaxial package | 453,20 | 537,48 |
| SPL1650-2-PM-PDI, 1650 nm, 2 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 1.019,60 | 1.209,20 |
| SPL1650-5-9-PDI, 1650 nm, 5 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 566,40 | 671,73 |
| SPL1650-5-PM-PDI, 1650 nm, 5 mW, DFB, PM fiber, 9 µm, FC/APC, PD, isolator | 1.078,90 | 1.279,53 |
| SPL1650-8-9-PDI, 1650 nm, 8 mW, DFB, SM fiber, 9 µm, FC/PC, PD, isolator | 679,70 | 806,10 |

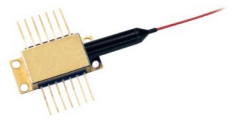
# LASER DIODES - FIBER RECEPTACLE

Fiber Receptacle Laser Diodes
- single and multi mode
- different connectors available

375 - 980 nm

| LD Fiber receptacle package | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SPR375-100-105M-SC, 375 ±10 nm, 100 mW, SC connector, fiber receptacle, suitable for 105 µm MM fiber | | 1.186,80 | 1.407,50 |
| SPR375-100-105M-T-9P-SMA, 375 ±10 nm, 100 mW, SMA connector, fiber receptacle, suitable for 105 µm MM fiber, TE( | | 1.726,30 | 2.047,32 |
| SPR830-150-105M-PD, 830 nm, 150 mW, FC connector, receptacle, suitable for 105 µm MM fiber, PD | | 252,50 | 299,45 |
| SPR830-180-62M-PD-FC, 830 ±15 nm, >160 mW, FC connector, fiber receptacle, suitable for 62.5 µm MM fiber, PD | | 220,90 | 261,98 |
| SPR940-180-62M-PD-FC, 940 ±15 nm, 180 mW, FC connector, fiber receptacle, suitable for 62.5 µm MM fiber, PD | | 284,00 | 336,81 |
| SPR980-100-105M-PD, 976 nm, 100 mW, FC connector, receptacle, suitable for 105 µm MM fiber, PD | | 203,90 | 241,82 |

# LASER DIODES - PIGTAILED HHL



High Power Pigtailed Laser Diodes
- TEC
- single and multi mode
- different connectors and housings avaiable

395 - 1650 nm

| LD PIGTAILED HHL \| UV \| 395 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SPM395-200-105M-PDT-14P, 395 ±10 nm, 200 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN | | 1.019,60 | 1.209,20 |
| SPM400-400-105M-PDT-14P, 400 ±5 nm, 400 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN | | 1.186,80 | 1.407,50 |
| SPM405-300-105M-PDT-14P, 405 ±10 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN | | 906,30 | 1.074,83 |
| SPM405-450-105M-PDT-14P, 405 ±10 nm, 450 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN | | 1.019,60 | 1.209,20 |
| SPM405-50-3-PDT-14P, 405 ±10 nm, 50 mW, SM fiber, 3 µm, N.A. 0.12, FC/PC, PD, TEC, 14-PIN | | 1.281,80 | 1.520,16 |
| **LD PIGTAILED HHL \| VISIBLE \| 445 - 690 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SPM445-3W5-105M-PDT-9P, 445 ±10 nm, >3 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 906,30 | 1.074,83 |
| SPM450-800-105M-PDT-14P, 450 nm, 800 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 679,70 | 806,10 |
| SPM450-1W-105M-PD-4P, 450 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, 4-Pin | | 566,40 | 671,73 |
| SPM450-1W-105M-PDT-14P, 450 ±10 nm, >800 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN | | 793,00 | 940,46 |
| SPM450-3W5-50M-PDT-9P, 450 nm, 3.5 W, MM fiber, 50 µm, FC/PC, PD, TEC, 9-Pin | | 1.019,60 | 1.209,20 |
| SPM450-3W5-105M-P2, 450 nm, 3.5 W, MM fiber, 105 µm, FC/PC | | 679,70 | 806,10 |
| SPM450-3W5-105M-PDT-9P, 450 nm, 3.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 906,30 | 1.074,83 |
| SPM450-3W5-200M-PDT-9P, 450 nm, 3.5 W, MM fiber, 200 µm, FC/PC, PD, TEC, 9-Pin | | 667,00 | 791,03 |
| SPM450-10W-200M-H, 450 nm, 10 W, MM fiber, 200 µm, FC/PC, HHL | | 1.402,60 | 1.663,43 |
| SPM450-20W-200M-H, 450 nm, 20 W, MM fiber, 200 µm, FC/PC, HHL | | 1.674,00 | 1.985,29 |
| SPM455-4W-200M-PDT-9P, 455 ±10 nm, 4 W, MM fiber, 200 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 793,00 | 940,46 |
| SPM465-2W-105M-PDT-9P, 465 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 1.019,60 | 1.209,20 |
| SPM465-7W-200M-H, 465 nm, 7 W, MM fiber, 200 µm, FC/PC, HHL | | 2.255,00 | 2.674,34 |
| SPM465-15W-400M-H, 465 nm, 15 W, MM fiber, 400 µm, FC/PC, HHL | | 3.301,60 | 3.915,56 |
| SPM520-80-9-PDT-8P, 520 ±10 nm, 80 mW, SM fiber, 9 µm, N.A. 0.12, FC/PC, TEC, 8-PIN | | 793,00 | 940,46 |

| | | | |
|---|---|---|---|
| SPM520-200-105M-PDT-14P, 520 nm, 200 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 638,70 | 757,47 |
| SPM520-800-105M-PDT-9P, 520 nm, 800 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 793,00 | 940,46 |
| SPM520-1W2-105M-PDT-9P, 520 nm, >1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 799,00 | 947,58 |
| SPM525-800-105M-PDT-9P, 525 ±10 nm, >700 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 793,00 | 940,46 |
| SPM525-1W2-105M-PDT-9P, 525 ±10 nm, >1 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 906,30 | 1.074,83 |
| SPM525-2W5-200M-H, 525 nm, 2.5 W, MM fiber, 200 µm, FC/PC, HHL | | 1.834,20 | 2.175,28 |
| SPM525-5W-200M-H, 525 nm, 5 W, MM fiber, 200 µm, FC/PC, HHL | | 2.665,00 | 3.160,58 |
| SPM530-1W-105M-PDT-9P, 532 ±10 nm, 1 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 928,60 | 1.101,28 |
| SPM630-300-105M-PDT-9P, 630 ±5 nm, 300 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 1.186,80 | 1.407,50 |
| SPM633-700-105M-PDT-9P, 633 ±5 nm, 700 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 1.021,00 | 1.210,86 |
| RLCD-M63H-350, 635 ±10 nm, 350 mW, MM fiber, 100 µm, FC or SMA Connector | | 2.108,00 | 2.500,00 |
| SPM635-400-400M-PDT-14P, 638 nm, 400 mW, MM fiber, 400 µm, FC/PC, PD, TEC, 14-Pin | | 679,70 | 806,10 |
| RLCD-M63H-1W, 635 ±10 nm, 1 W, MM fiber bundle, 400 µm, FC or SMA Connector | | 5.275,00 | 6.255,93 |
| SPM635-1W-105M-PDT-9P, 638 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 762,00 | 903,70 |
| SPM635-1W8-200M-PDT-9P, 638 nm, 1.8 W, MM fiber, 200 µm, FC/PC, PD, TEC, 9-Pin | | 1.019,60 | 1.209,20 |
| RLCD-M63H-2W, 635 ±10 nm, 2 W, MM fiber bundle, 400 µm, FC or SMA Connector | | 7.610,00 | 9.025,14 |
| RLCD-M65H-200, 650 ±5 nm, 200 mW, MM fiber, 100 µm, FC or SMA Connector | | 620,00 | 735,29 |
| SPM653-700-105M-PDT-9P, 653 ±5 nm, 700 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 1.402,60 | 1.663,43 |
| SPM650-800-105M-4P, 658 nm, 800 mW, MM fiber, 105 µm, FC/PC, 4-Pin | | 725,10 | 859,94 |
| SPM650-800-105M-PDT-9P, 658 nm, 800 mW, MM fiber, 105 µm, FC/PC, PD,TEC, 9-Pin | | 1.019,60 | 1.209,20 |
| SPM650-1W-105M-PDT-9P, 658 nm, 1 W, MM fiber, 105 µm, FC/PC, PD,TEC, 9-Pin | | 1.078,90 | 1.279,53 |
| SPM660-10-4-PDT-8P, 660 nm, 10 mW, SM fiber, 4 µm, FC/PC, PD, TEC, 8-Pin | | 543,80 | 644,92 |
| SPM660-20-4-T-8P, 660 nm, 20 mW, SM fiber, 4 µm, FC/PC, TEC, 8-Pin | | 385,20 | 456,83 |
| RLCD-S66H-40, 660 ±5 nm, 40 mW, SM fiber, 4 µm, HHL, TEC, FC-Connector | | 978,00 | 1.159,87 |
| RLCD-S66H-60, 660 ±5 nm, 60 mW, SM fiber, 4 µm, HHL, TEC, FC-Connector | | o.r. | o.r. |
| SPM660-60-4-T-8P, 660 nm, 60 mW, SM fiber, 4 µm, FC/PC, TEC, 8-Pin | | 793,00 | 940,46 |
| RLCD-S66H-80, 660 ±5 nm, 80 mW, SM fiber, 4 µm, HHL, TEC, FC-Connector | | o.r. | o.r. |
| SPM660-80-4-T-8P, 660 nm, 80 mW, SM fiber, 4 µm, FC/PC, TEC, 8-Pin | | 1.019,60 | 1.209,20 |
| SPM660-800-105M-PDT-14P, 660 ±10 nm, 800 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 14-PIN | | 793,00 | 940,46 |
| SPM660-1W-105M-PDT-14P, 660 ±10 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 793,00 | 940,46 |
| G066PU214W, 660 ±5 nm, 1.4 W, MM, 430 µm fiber, TEC, SMA connector | | 3.153,19 | 3.739,55 |
| SPM660-3W-300M-T-10P, 660 ±10 nm, 3 W, MM fiber, 3x105 µm, FC/PC, TEC, 10-Pin | | 2.084,00 | 2.471,54 |
| G066PU335W, 660 ±5 nm, 3.5 W, MM, 600 µm fiber, TEC, SMA connector | | 5.382,71 | 6.383,67 |
| SPM660-5W-400M-T-10P, 660 ±10 nm, 5 W, MM fiber, 5x105 µm, FC/PC, TEC, 10-Pin | | 2.895,00 | 3.433,35 |
| SPM670-50-4-T8P, 670 nm, 50 mW, PD, SM fiber, 4 µm, FC/PC, TEC, thermistor, 8-Pin | | 899,00 | 1.066,18 |
| SPM670-50-PM-T8P, 670 nm, 50 mW, PM fiber, 4 µm, FC/PC, TEC, PD, thermistor, 8-pin | | 999,00 | 1.184,77 |
| G067PU160M, 670 ±10 nm, 160 mW, MM, 100 µm fiber, FC connector | | 810,00 | 960,63 |
| G067PU200M, 670 ±10 nm, 200 mW, MM, 100 µm fiber, FC connector | | 1.200,00 | 1.423,15 |
| SPM680-800-105M-4P, 680 nm, >750 mW, MM fiber, 105 µm, FC/PC, 4-Pin | | 1.087,60 | 1.289,85 |
| SPM680-800-105M-PDT-9P, 680 nm, >750 mW, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 1.294,70 | 1.535,46 |
| SPM690-800-105M-PDT-9P, 690 ±10 nm, >750 mW, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 1.402,60 | 1.663,43 |
| **LD PIGTAILED HHL \| INFRARED \| 780 - 940 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLT780M-1WFC, 785 ±5 nm, 1 W, MM, 100 µm, fiber, TEC, FC/PC, 14-Pin butterfly | | 831,00 | 985,53 |
| RLT780M-1.5WFC, 785 ±5 nm, 1 W, MM, 100 µm, fiber, TEC, FC/PC, 14-Pin butterfly | | 982,80 | 1.165,56 |
| SPM785-2W-105M-PDT-14P, 785 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 793,00 | 940,46 |
| SPM785-3W-105M-2P, 785 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 566,40 | 671,73 |
| SPM785-3W-105M-PDT-9P, 785 nm, 3 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 793,00 | 940,46 |
| SPM808-2W-105M-PDT-14P, 808 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 587,00 | 696,16 |
| SPM808-2W5-105M-2P, 808 nm, 2.5 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 271,90 | 322,46 |
| SPM808-4W-105M-2P, 808 nm, 4 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 339,90 | 403,11 |
| SPM808-4W-105M-PDT-9P, 808 nm, 4 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 793,00 | 940,46 |
| SPM808-5W-105M-2P, 808 nm, 5 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 362,50 | 429,91 |
| SPM808-8W-105M-2P, 808 nm, 8 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 498,50 | 591,20 |
| SPM808-8W-105M-PDT-9P, 808 nm, 8 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 906,30 | 1.074,83 |
| RLCO-808-2000-F, 808 ±3 nm, 2 W, MM, 100 µm fiber, NA 0.22, SMA connector | EOL | 499,00 | 591,79 |
| SPM830-1W-50M-2P, 830 nm, 1 W, MM fiber, 50 µm, FC/PC, 2-Pin | | 336,00 | 398,48 |
| SPM830-2W-105M-PDT-14P, 830 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 793,00 | 940,46 |
| SPM830-3W-105M-2P, 830 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 453,20 | 537,48 |
| SPM860-2W-105M-PD-4P, 860 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, 4-Pin | | 634,40 | 752,37 |
| SPM860-2W-200M-PDT-14P, 860 nm, 2 W, MM fiber, 200 µm, FC/PC, PD, TEC, 14-Pin | | 906,30 | 1.074,83 |
| SPM880-2W-105M-PDT-14P, 880 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 793,00 | 940,46 |
| SPM880-3W-105M-2P, 880 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 419,10 | 497,04 |

| | | | |
|---|---|---|---|
| SPM915-2W-105M-PDT-14P, 915 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 698,60 | 828,51 |
| SPM915-10W-105M-2P, 915 nm, 10 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 252,50 | 299,45 |
| SPM915-10W-105M-PDT-9P, 915 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 698,60 | 828,51 |
| SPM915-10W-105M-PDTA-15P, 915 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 873,90 | 1.036,41 |
| SPM915-20W-105M-H2P, 915 nm, 20 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 378,70 | 449,12 |
| SPM915-30W-105M-H2P, 915 nm, 30 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 512,50 | 607,80 |
| SPM940-2W-105M-PDT-14P, 940 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 698,60 | 828,51 |
| SPM940-10W-105M-2P, 940 nm, 10 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 315,60 | 374,29 |
| SPM940-10W-105M-PDT-9P, 940 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 698,60 | 828,51 |
| SPM940-10W-105M-PDTA-15P, 940 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 873,90 | 1.036,41 |
| SPM940-20W-105M-H2P, 940 nm, 20 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 512,50 | 607,80 |
| SPM940-30W-105M-H2P, 940 nm, 30 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 698,60 | 828,51 |
| **LD PIGTAILED HHL \| INFRARED \| 975 - 1650 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLCO-980-0500-F, 980 ±10 nm, 0.5 W, MM, 100 µm fiber, NA 0.22, SMA connector | EOL | 193,00 | 228,89 |
| SPM980-2W-105M-PDT-14P, 976 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 598,80 | 710,15 |
| SPM980-10W-105M-2P, 976 nm, 10 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 252,50 | 299,45 |
| SPM980-10W-105M-PDT-9P, 976 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 698,60 | 828,51 |
| SPM980-10W-105M-PDTA-15P, 976 nm, 10 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 873,90 | 1.036,41 |
| SPM980-10W-105M-PDT-9P-SMA, 976 nm, 10 W, MM fiber, 105 µm, SMA905, PD, TEC, 9-Pin | | 793,00 | 940,46 |
| SPM980-10W-200M-PDT-9P-SMA, 976 nm, 10 W, MM fiber, 200 µm, SMA905, PD, TEC, 9-Pin | | 698,60 | 828,51 |
| SPM980-20W-105M-H2P, 976 nm, 20 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 451,00 | 534,87 |
| SPM980-30W-105M-H2P, 976 nm, 30 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 638,70 | 757,47 |
| SPM980-30W-105M-T-H, 976 ±15 nm, 30 W, MM fiber, 105 µm, FC/PC, TEC | | 1.038,50 | 1.231,62 |
| SPM1064-1W-105M-PDT-14P, 1064 nm, 1 W, MM fiber, 105 µm, FC/PC, PD, TEC, 14-Pin | | 758,50 | 899,55 |
| SPM1064-8W-105M-2P, 1064 nm, >7 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 378,70 | 449,12 |
| SPM1064-8W-105M-PDT-9P, 1064 nm, >7 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 776,80 | 921,25 |
| SPM1064-8W-105M-PDTA-15P, 1064 nm, >7 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 944,10 | 1.119,66 |
| SPM1064-25W-105M-H2P, 1064 nm, >24 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 873,90 | 1.036,41 |
| G131PU001S, 1310 ±30 nm, SM fiber, 1 mW, tr/ts 0.5 ns, TEC | | 345,00 | 409,16 |
| SPM1310-1W-105M-PDT-14P, 1310 ±30 nm, 1 W, MM fiber, 105 µm, N.A. 0.22, PD, TEC, FC/PC | | 1.145,00 | 1.357,92 |
| SPM1310-1W2-105M-2P, 1310 ±30 nm, 1.2 W, MM fiber, 105 µm, N.A. 0.22, FC/PC | | 762,00 | 903,70 |
| SPM1350-10-9-PDTI-8P, 1350 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, TEC, isolator, 8-Pin | | 725,10 | 859,94 |
| SPM1350-10-9-PDTI-14P, 1350 nm, 10 mW, DFB, SM fiber, 9 µm, FC/PC, PD, TEC, isolator, 14-Pin | | 678,70 | 804,91 |
| SPM1450-2W-105M-PDT-9P, 1450 ±40 nm, 2 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 906,30 | 1.074,83 |
| SPM1450-7W-300M-T-H, 1450 nm, >6 W, MM fiber, <300 µm, FC/PC, TEC | | 2.460,00 | 2.917,46 |
| SPM1450-12W-400M-T-H, 1450 nm, >11 W, MM fiber, <400 µm, FC/PC, TEC | | 3.107,40 | 3.685,25 |
| SPM1450-15W-400M-T-H, 1450 nm, 15 W, MM fiber, <400 µm, FC/PC, TEC | | 4.191,70 | 4.971,18 |
| SPM1470-2W-105M-PDT-9P, 1470 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 906,30 | 1.074,83 |
| SPM1470-2W-105M-PDTA-15P, 1470 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 1.078,90 | 1.279,53 |
| SPM1470-2W5-105M-2P, 1470 nm, ≥2 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 679,70 | 806,10 |
| SPM1470-2W5-105M-PDTA-15P, 1470 nm, 2.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 1.294,70 | 1.535,46 |
| SPM1470-3W-105M-2P, 1470 nm, 3 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 906,30 | 1.074,83 |
| SPM1470-3W-105M-PDT-9P, 1470 nm, 2 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 1.078,90 | 1.279,53 |
| SPM1470-7W-300M-T-H, 1470 nm, >6 W, MM fiber, <300 µm, FC/PC, TEC | | 2.460,00 | 2.917,46 |
| SPM1470-12W-400M-T-H, 1470 nm, >11 W, MM fiber, <400 µm, FC/PC, TEC | | 3.107,40 | 3.685,25 |
| SPM1470-15W-400M-T-H, 1470 nm, 15 W, MM fiber, <400 µm, FC/PC, TEC | | 4.191,70 | 4.971,18 |
| SPM1530-1W5-105M-PDT-9P, 1530 ±40 nm, 1.5 W, MM fiber, 105 µm, N.A. 0.22, FC/PC, PD, TEC, 9-PIN | | 906,30 | 1.074,83 |
| SPM1530-5W-300M-T-H, 1530 nm, >4.5 W, MM fiber, <300 µm, FC/PC, TEC | | 2.460,00 | 2.917,46 |
| SPM1530-8W-400M-T-H, 1530 nm, 8 W, MM fiber, <400 µm, FC/PC, TEC | | 3.107,40 | 3.685,25 |
| SPM1530-10W-400M-T-H, 1530 nm, 10 W, MM fiber, <400 µm, FC/PC, TEC | | 4.191,70 | 4.971,18 |
| SPM1550-1W5-105M-2P, 1550 nm, 1.5 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 679,70 | 806,10 |
| SPM1550-1W5-105M-PDT-9P, 1550 nm, 1.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 906,30 | 1.074,83 |
| SPM1550-2W5-105M-2P, 1550 nm, 2.5 W, MM fiber, 105 µm, FC/PC, 2-Pin | | 906,30 | 1.074,83 |
| SPM1550-2W5-105M-PDT-9P, 1550 nm, 2.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, 9-Pin | | 1.078,90 | 1.279,53 |
| SPM1550-2W5-105M-PDTA-15P, 1550 nm, 2.5 W, MM fiber, 105 µm, FC/PC, PD, TEC, Aiming Beam, 15-Pin | | 1.294,70 | 1.535,46 |
| SPM1550-5W-300M-T-H, 1550 nm, >4.5 W, MM fiber, <300 µm, FC/PC, TEC | | 2.460,00 | 2.917,46 |
| SPM1550-8W-400M-T-H, 1550 nm, 8 W , MM fiber, <400 µm, FC/PC, TEC | | 3.107,40 | 3.685,25 |
| SPM1550-10W-400M-T-H, 1550 nm, 10 W, MM fiber, <400 µm, FC/PC, TEC | | 4.191,70 | 4.971,18 |
| SPM1650-5-9-PDTI-14P, 1650 ±10 nm, 5 mW, DFB, SM fiber, 9 µm, N.A. 0.12, FC/PC, PD, TEC, Isolator, 14-PIN | | 738,50 | 875,83 |

# LASER DIODES - BARS, ARRAYS

high power laser diodes
- bars, linear & stacked arrays
- cw power up to 280 W
- qcw power up to 1200 W

780 - 980 nm

| LD SINGLE BARS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| AB081C20W, 810±10 nm, 20 W, cw, 25 x 25 x 13 mm³ | | o.r. | o.r. |
| AB081C40W, 810±10 nm, 40 W, cw, 25 x 25 x 13 mm³ | | o.r. | o.r. |
| AB081Q60W, 810±10 nm, 60 W, qcw, 25 x 25 x 13 mm³ | | o.r. | o.r. |
| AB081Q100W, 810±10 nm, 100 W, qcw, 25 x 25 x 13 mm³ | | o.r. | o.r. |
| AB098C20W, 980±10 nm, 20 W, cw, 25 x 25 x 13 mm³ | | o.r. | o.r. |
| AB098C40W, 980±10 nm, 40 W, cw, 25 x 25 x 13 mm³ | | o.r. | o.r. |
| **LD LINEAR ARRAYS** | **Status** | **EUR / pc** | **USD / pc** |
| AL081C60W, 780..830 nm, 60 W, cw, 57 x 12 x 15.5 mm³ | | 1.215,00 | 1.440,94 |
| AL081C100W, 780..830 nm, 100 W, cw, 57 x 12 x 15.5 mm³ | | 2.025,00 | 2.401,57 |
| AL081C120W, 780..830 nm, 120 W, cw, 57 x 12 x 15.5 mm³ | | 2.430,00 | 2.881,88 |
| AL081C140W, 780..830 nm, 140 W, cw, 57 x 12 x 15.5 mm³ | | 2.835,00 | 3.362,19 |
| AL081C200W, 780..830 nm, 200 W, cw, 57 x 12 x 15.5 mm³ | | 4.050,00 | 4.803,13 |
| AL081C280W, 780..830 nm, 280 W, cw, 57 x 12 x 15.5 mm³ | | 5.670,00 | 6.724,38 |
| **LD STACKED ARRAYS** | **Status** | **EUR / pc** | **USD / pc** |
| AS081C60W, 780..830 nm, 60 W, cw, 40 x 23.6 x 11 mm³ | | 2.062,50 | 2.446,04 |
| AS081C100W, 780..830 nm, 100 W, cw, 40 x 23.6 x 11 mm³ | | 3.066,25 | 3.636,44 |
| AS081C120W, 780..830 nm, 120 W, cw, 40 x 23.6 x 11 mm³ | | 2.866,88 | 3.400,00 |
| AS081C140W, 780..830 nm, 140 W, cw, 40 x 23.6 x 11 mm³ | | 4.122,25 | 4.888,82 |
| AS081C200W, 780..830 nm, 200 W, cw, 40 x 23.6 x 11 mm³ | | o.r. | o.r. |
| AS081C280W, 780..830 nm, 280 W, cw, 40 x 23.6 x 11 mm³ | | 5.500,00 | 6.522,77 |
| AS081C320W, 780..830 nm, 320 W, cw, 40 x 23.6 x 11 mm³ | | 6.710,00 | 7.957,78 |
| AS081C480W, 780..830 nm, 480 W, cw, 40 x 23.6 x 11 mm³ | | 9.748,75 | 11.561,61 |
| AS098C60W, 920..980 nm, 60 W, cw, 30 x 14 x 10 mm³ | | 2.062,50 | 2.446,04 |
| AS098C100W, 920..980 nm, 100 W, cw, 30 x 14 x 10 mm³ | | 3.066,25 | 3.636,44 |
| AS081Q300W, 780..830 nm, 300 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS081Q600W, 780..830 nm, 600 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS081Q1200W, 780..830 nm, 1200 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS081Q3000W, 780..830 nm, 3000 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS081Q5000W, 780..830 nm, 5000 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS081Q15000W, 780..830 nm, 15000 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS098Q300W, 920..980 nm, 300 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS098Q600W, 920..980 nm, 600 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |
| AS098Q1200W, 920..980 nm, 1200 W, qcw, 30 x 14 x 10 mm³ | | o.r. | o.r. |

# VCSELS

VCSEL (**V**ertical **C**avity **S**urface **E**mitting **L**aser diode)
infrared
power up to 20 mW cw

850 and 980 nm

| VCSELS \| INFRARED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| VC850S-SMD, 850 nm, 0.5 mW, 3.5 mA, SM, 8°, SMD 0603 | | 9,05 | 10,73 |
| VC850M-SMD, 850 nm, 0.5 mW, 4 mA, MM, 6°, SMD 0603 | | 8,35 | 9,90 |
| VC850M-TO46GL, 850 nm, 2 mW, 6 mA, MM, 5°, TO-46, glass lens | | 12,58 | 14,92 |
| VC850M-H-TO46GL, 850 nm, 10 mW, 20 mA, MM, 2°, TO-46, glass lens | EOL | 16,20 | 19,21 |
| VC850M-Z-TO46GL, 850 nm, 10 mW, 20 mA, MM, 8°, TO-46, glass lens, Zener Diode | NEW | 16,20 | 19,21 |
| VC850M-H-TO46FW-PD, 850 nm, 8 mW, 20 mA, MM, TO-46, flat window, PD | | 15,92 | 18,88 |
| VC850M-Z-TO18FW, 850 nm, 10 mW, 20 mA, MM, TO-18, flat window, Zener diode | | 15,92 | 18,88 |
| VC980M-TO46FW, 980 nm, 1.5 mW, 6 mA, MM, 20°, TO-46, flat window | | 11,20 | 13,28 |
| **VCSEL Modules \| INFRARED** | **Status** | **EUR / pc** | **USD / pc** |
| VC850MZ-MODULE, 850 nm, max. 10 mW, 20 mA, MM, Ø10x18 mm | NEW | 68,00 | 80,65 |
| VC850M2-MODULE, 850 nm, max. 15 mW, 50 mA, MM, Ø10x18 mm | EOL | 68,00 | 80,65 |
| VC980M-MODULE, 980 nm, max. 0.75 mW, 6 mA, MM, Ø10x18 mm | | 51,80 | 61,43 |

# LASER DIODE ACCESSORIES

| LD Mounting Tubes | Status | EUR / pc | USD / pc |
|---|---|---|---|

laser diode optic mounting tubes
used for mounting laser diodes with 5.6 mm or 9 mm packges and diverse collimating optics
with standard thread M9 x 0.5 mm
aluminium, black anodized

| | | | |
|---|---|---|---|
| LDMT-56-10, 5.6 mm LD mounting tube, Ø10x18 mm, thread M9 x 0.5 | | 14,29 | 16,95 |
| LDMT-56-10-LT, 5.6 mm LD mounting tube, Ø10x18 mm, long thread M9 x 0.5 | | 14,29 | 16,95 |
| LDMT-90-10, 9.0 mm LD mounting tube, Ø10x18 mm, thread M9 x 0.5 | | 14,29 | 16,95 |
| LDMT-90-10-LT, 9.0 mm LD mounting tube, Ø10x18 mm, long thread M9 x 0.5 | | 14,29 | 16,95 |
| LDMT-90-11, 9.0 mm LD mounting tube, Ø11x18 mm, thread M9 x 0.5 | | 14,29 | 16,95 |

| LD Mounting Tubes \| Complete Assembly | Status | EUR / pc | USD / pc |
|---|---|---|---|

Complete Laser Diode Assembly

- precise **CNC tooling**
- for **3.8, 5.6 & 9.0mm** TO-Can laser diodes
- compact size
- **focusable acrylic lens**, uncoated
- **threaded latching**, no glue required

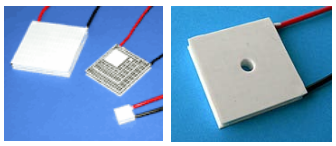
| | | | |
|---|---|---|---|
| LDA-38, 3.8 mm laser diode assembly, with focusable acrylic lens, f: 6.5 mm, Ø6.5x11 mm, brass | | 18,10 | 21,47 |
| LDA-56, 5.6 mm laser diode assembly, with focusable acrylic lens, f: 6.5 mm, Ø11x13 mm, brass | | 19,20 | 22,77 |
| LDA-90, 9.0 mm laser diode assembly, with focusable acrylic lens, f: 6.5 mm, Ø11x14 mm, brass | | 19,20 | 22,77 |

| LD Sockets | Status | EUR / pc | USD / pc |
|---|---|---|---|

laser diode socket
teflon body, gold plated contacts,
3 pins or 4 pins, superior quality,
for 5.6 and 9.0 mm laser diodes

| | | | |
|---|---|---|---|
| LDS-T-3, laser diode socket 3-Pin version, teflon, gold plated, superior quality | | 6,49 | 7,70 |
| LDS-T-4, laser diode socket 4-Pin version, teflon, gold plated, superior quality | | 6,39 | 7,58 |

| Thermoelectric Coolers | Status | EUR / pc | USD / pc |
|---|---|---|---|



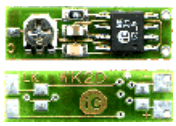
TEC elements for cooling and heating, diverse sizes
and electrical properties
1-, 2-, 3- and 4 stage modules available

Tmax: 125 °C
OEM designs available on request

| | | | |
|---|---|---|---|
| TEC1-00705T125, 1 stage, 7 couples, 0.85 V, 5 A, 2.8 W, dTmax: 67°C, 10x10x3.9 mm | | 8,40 | 9,96 |
| TES1-1702LT125, 1 stage, 17 couples, 2.0 V, 2 A, 2.4 W, dTmax: 64°C, 6.2x6.2x2.3 mm | | 16,30 | 19,33 |
| TES1-03103T125, 1 stage, 31 couples, 3.8 V, 3 A, 6.6 W, dTmax: 66°C, 15x15x3.5 mm | | 8,70 | 10,32 |
| TES1-3202T125, 1 stage, 32 couples, 3.87 V, 2 A, 4.31 W, dTmax: 67°C, 8.3x8.3x2.2 mm | | 15,00 | 17,79 |
| TES1-07103T125, 1 stage, 71 couples, 8.5 V, 3 A, 14.9 W, dTmax: 67°C, 23x23x3.9 mm | | 12,60 | 14,94 |
| TES1-12703T125, 1 stage, 127 couples, 15.4 V, 3 A, 26.7 W, dTmax: 67°C, 30x30x3.5 mm | | 13,97 | 16,57 |
| TEC1-12705T125, 1 stage, 127 couples, 15.4 V, 5 A, 46.4 W, dTmax: 67°C, 40x40x4.0 mm | | 10,95 | 12,99 |
| TEC2-25407T125, 2 stages, 254 couples, 15.0 V, 7 A, dTmax: 80°C, 40x40x7.0 mm | | 23,70 | 28,11 |
| TEC3-22903T125, 3 stages, 229 couples, 15.2 V, 3 A, dTmax: 100°C, 40x40x10.8 mm | | 95,68 | 113,47 |
| **TEC with 4.7 mm center hole** | | | |
| TEC1-07103T125, 1 stage, 8.5 V, 3 A, 16 W, dTmax: 67°C, hole 4.7 mm, 30x30x4.9 mm | | 12,00 | 14,23 |

# LD DRIVERS | TEC CONTROLLERS

| LD Driver Boards | Status | EUR / pc | USD / pc |
|---|---|---|---|



diverse, easy to handle driver boards for laser diodes, ready to use, but not preset to the specific parameters of the laser diode
LD specific drive parameters can be adjusted in a wide range

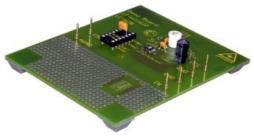
| | | | |
|---|---|---|---|
| **N-type (common LD+ and PD-)** | | | |
| IC-WK2D, 6.5 x 20 mm², PCB-board, N-type, CAC | | 10,49 | 12,44 |
| IC-WKL2D, 6.5 x 20 mm², PCB-board, N-type, CAC | | 10,49 | 12,44 |
| EU-37, 10.5 x 18 mm², APC, 4.5-6 VDC, slow start, max. 200 mA | | 14,95 | 17,73 |
| EU-38-PD, 35 x 14 mm², auto power control, LD current max. 1 A | | 24,00 | 28,46 |
| EU-41, 10.5 x 18 mm², APC, 3 VDC, max. 100 mA for BLUE and GREEN LD | | 12,90 | 15,30 |
| EU-42, 10.5 x 11.3 mm², APC, modulable up to 300kHz | | 13,60 | 16,13 |

| | | | |
|---|---|---|---|
| **M-type (common LD- and PD-)** | | | |
| IC-WK1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm, MPD spike detection | | 10,49 | 12,44 |
| IC-WKL1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm | | 10,49 | 12,44 |
| EU-38-PD, 35 x 14 mm², auto power control, LD current max. 1 A | | 24,00 | 28,46 |
| **P-type (common LD- and PD+)** | | | |
| IC-WK1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm, MPD spike detection | | 10,49 | 12,44 |
| IC-WKL1D, PCB-board, M/P-type, CCA, 6.5 x 20 mm | | 10,49 | 12,44 |
| EU-38-PD, 35 x 14 mm², auto power control, LD current max. 1 A | | 24,00 | 28,46 |
| **without PD** | | | |
| EU-38-TTL, 35 x 14 mm², ACC, TTL modulable, LD current max. 1 A | | 22,00 | 26,09 |
| EU-38-1, 35 x 14 mm², ACC, max. 1.0 A | | 21,80 | 25,85 |
| EU-40, 9 x 23 mm², ACC, 3 VDC, max. 200 mA for BLUE and GREEN LD | | 12,90 | 15,30 |
| **external PD** | | | |
| EU-39, 9 x 16 mm², APC, 3 VDC, max. ~300 mA, ext. PD required | | 9,54 | 11,31 |
| EU-43, 11 x 23 mm², APC, 3 VDC, max. 200 mA for BLUE and GREEN LD, ext. PD required | | 12,90 | 15,30 |
| **Low Power LD Controllers** | **Status** | **EUR / pc** | **USD / pc** |
| Low power CW + pulsed mode laser diode driver<br>- Analog control / potentiometer adjustment<br>- CW, pulsed, modulated or mixed curves<br>- Short rise and fall time<br>- No ripple, no overshoot<br>- Compact | | | |
| LDP-2023, ACC, max 2A, max 23V, Vin: 6-24V, CW + pulsed, 52x37x11 mm | | 160,50 | 190,35 |
| LDP-5023, ACC, max 5A, max 23V, Vin: 7-24V, CW + pulsed, 75x50x24 mm | NEW | 334,00 | 396,11 |
| LDP-20-HS, Heat Sink for LDP-20, Al black anodized, 105x50x39mm, 150g | | 50,30 | 59,65 |
| LDP-50-HS, Heat Sink for LDP-50, Al black anodized, 75x50x11mm, 56g | NEW | 63,90 | 75,78 |
| **TEC Controllers** | **Status** | **EUR / pc** | **USD / pc** |
| 3A/45V and 6A/45V TEC controllers for peltierelements<br>- High efficiency/low noise<br>- Tuneable digital PID controller<br>- USB or RS232 interface<br>- Analog temperature output, status LEDs<br>- Supply voltage 15 ...48 V | | | |
| TCC-3-45-U, TEC Controller, max 3A, max 45V, USB interface, 59x49x29 mm | NEW | 549,20 | 651,33 |
| TCC-3-45-R, TEC Controller, max 3A, max 45V, RS232 interface, 59x49x29 mm | NEW | 549,20 | 651,33 |
| TCC-6-45-U, TEC Controller, max 6A, max 45V, USB interface, 87x87x22 mm | NEW | 631,80 | 749,29 |
| TCC-6-45-R, TEC Controller, max 6A, max 45V, RS232 interface, 87x87x22 mm | NEW | 631,80 | 749,29 |
| TCC SOFTWARE, PC control software for TCC-3 and TCC-6 series | NEW | 145,80 | 172,91 |
| **High Power LD Controllers** | **Status** | **EUR / pc** | **USD / pc** |
| High power, compact constant current laser diode driver with multiple layers of laser diode protection<br>- Analog Control / RS-232 / UART<br>- Output Current Range 0-15 A<br>- Output Voltage Range 1-10 V<br>- Efficiency < 97%<br>- Compact<br>- no PD support | | | |
| LD6015, ACC, 0-15 A, 1-10V, Vin: 10-14V, setpoint resolution 0.01 A, 37x58x30 mm | | 468,70 | 555,86 |
| **LD Driver Ics** | **Status** | **EUR / pc** | **USD / pc** |
| diverse drivers for laser diodes as integrated circuits | | | |
| IC-VJ SO16N, driver IC for cw laser diodes | EOL | 3,49 | 4,14 |
| IC-VJZ SO16N, driver IC for cw laser diodes | EOL | 2,95 | 3,50 |
| IC-WJ SO8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 50 - 500 µA | | 3,71 | 4,40 |
| IC-WJ MSOP8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 50 - 500 µA | | 3,92 | 4,65 |
| IC-WJZ SO8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 0.15 - 1.5 mA | | 3,71 | 4,40 |
| IC-WJZ MSOP8, LD driver IC, cw up to 300 kHz, up to 250 mA, Im 0.15 - 1.5 mA | | 3,92 | 4,65 |
| IC-WJB SO8, LD driver IC, cw up to 300 kHz, up to 100 mA, 2.7 VDC, reverse polarity protection | | 3,92 | 4,65 |
| IC-WJB MSOP8, LD driver IC, cw up to 300 kHz, up to 100 mA, 2.7 VDC, reverse polarity protection | EOL | 4,12 | 4,89 |
| IC-WK SO8, LD driver IC, N/M/P-type, up to 90 mA, 2.4 -6 VDC, MPD spike detection | | 5,20 | 6,17 |
| IC-WK MSOP8, LD driver IC, N/M/P-type, up to 90 mA, 2.4 -6 VDC, MPD spike detection | | 5,20 | 6,17 |
| IC-WKL SO8, LD driver IC, any laser diode polarity, up to 90 mA, 2.4 -6 VDC | | 5,20 | 6,17 |
| IC-WKL MSOP8, LD driver IC, any laser diode polarity, up to 90 mA, 2.4 -6 VDC | | 5,20 | 6,17 |
| IC-HB QFN24, Triple Laser Switch, CW up to 155 MHz, with LVDS inpuls | EOL | 6,60 | 7,83 |
| IC-HG QFN28-5X5, Laser Switch, CW to 200 MHz, 6 ch., up to 3 A CW / 9 A pulse, for blue LDs (12V) | EOL | 11,40 | 13,52 |
| IC-HG30 QFN28-5X5, Laser Switch, CW to 250 MHz, 6 ch., up to 6 A CW / 30 A pulse, for stacked LDs (30V) | | 11,40 | 13,52 |
| IC-HGP QFN32-5X5, High-Side Laser Switch, CW to 200 MHz, 6 ch., up to 3 A CW / 9 A pulse, for blue/green LDs (12V) | | 11,40 | 13,52 |
| IC-HK SO8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA | | 3,15 | 3,74 |
| IC-HK MSOP8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA | | 6,60 | 7,83 |

| | | |
|---|---|---|
| IC-HKB SO8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA, for blue LDs (12V) | 5,70 | 6,76 |
| IC-HKB MSOP8-TP, Laser Switch, CW - 155 MHz, 2 ch., Spike-Free, Ip up to 700 mA, for blue LDs (15V) | 3,48 | 4,13 |
| IC-HN DFN8-3X3, Short Pulse 1.4 A Laser Driver | 7,92 | 9,39 |
| IC-HN3 DFN8-3X3, Short Pulse 2.8 A Laser Driver | 11,40 | 13,52 |
| IC-HS02 QFN16-3X3, Ultra Short Pulse Laser Driver, 200 mA peak | 11,40 | 13,52 |
| IC-HS05 QFN24-4X4, Ultra Short Pulse Laser Driver | 11,40 | 13,52 |
| IC-HSB QFN24-4X4, Ultra-Short Pulse Laser Driver | 11,40 | 13,52 |
| IC-HT QFN28-5X5, Dual CW LD Driver with SPI/I2C Controller Interface, up to 1.5 A (combined) | 11,40 | 13,52 |
| IC-HTG QFN24-4X4, power laser diode driver | 11,40 | 13,52 |
| IC-HTP QFN28-5X5, Dual CW P-type LD driver, up to 1.5 A (combined) | 11,40 | 13,52 |
| IC-WKM SO8-TP, cw M-type laser diode driver IC, up to 350 mA, Vf 3.6-15 VDC | 6,60 | 7,83 |
| IC-WKM DFN10, cw M-type laser diode driver IC, up to 350 mA, Vf 3.6-15 VDC | 4,30 | 5,10 |

| | | | |
|---|---|---|---|
| IC-WKN SO8-TP, cw N-type laser diode driver IC, up to 300 mA, Vf 2.4-15 VDC | | 4,21 | 4,99 |
| IC-WKN DFN10, cw N-type laser diode driver IC, up to 300 mA, Vf 2.4-15 VDC | | 4,30 | 5,10 |
| IC-WKP SO8-TP, cw P-type laser diode IC, up to 350 mA, Vf 3.0-15 VDC | | 4,21 | 4,99 |
| IC-WKP DFN10, cw P-type laser diode IC, up to 350 mA, Vf 3.0-15 VDC | | 6,60 | 7,83 |
| IC-NZ QFN28, LD driver IC, fail-safe, N/M/P-type, cw/pulse, up to 300 mA, up to 155 MHz, 3.5-5.5 V supply | EOL | 11,40 | 13,52 |
| IC-NZN QFN24-4X4, LD driver IC, N-type, cw and pulse, up to 300 mA, up to 155 MHz, 3.5-5.5 V supply | | 5,20 | 6,17 |
| IC-NZP QFN24-4X4, LD driver IC, P-type, cw and pulse, up to 300 mA, up to 155 MHz, 3.5-5.5 V supply | | 5,20 | 6,17 |
| IC-HL DFN10, programable laser bias resistor | EOL | 5,58 | 6,62 |

| **Evaluation Kits for LD Driver ICs** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|



evaluation boards,
to set up your iC drivers easily

| | | | |
|---|---|---|---|
| IC-HB EVAL HB1D, Evaluation Board iC-HB (incl. 2 IC samples) | EOL | 82,08 | 97,34 |
| IC-HG EVAL HG1D, Evaluation Board iC-HG (incl. 2 IC samples) | EOL | 82,08 | 97,34 |
| IC-HG EVAL HG2D, Host Adapter for HGxM type modules | | 82,08 | 97,34 |
| IC-HG EVAL HG2D HSK, Host Adapter for HGxM type modules with heat-sink assembly kit | | 185,59 | 220,10 |
| IC-HG ICSY HG20M, High-Speed Laser Module (for VCSEL) | | 131,48 | 155,93 |
| IC-HG ICSY HG21M, High-Speed Laser Module (for VCSELs, alternative pad layout) | | 131,48 | 155,93 |
| IC-HG ICSY HG2M, High-Speed Laser Module (for C-mount packages) | | 82,08 | 97,34 |
| IC-HG ICSY HG8M, High-Speed Laser Module (for TO-type or other leaded packages) | | 82,08 | 97,34 |
| IC-HG30 EVAL HG1D, Evaluation Board iC-HG30 | | 92,04 | 109,16 |
| IC-HG30 ICSY HG20M, High-Speed Laser Module (for VCSEL) | | 157,78 | 187,12 |
| IC-HG30 ICSY HG21M, High-Speed Laser Module (for VCSELs, alternative pad layout) | | 157,78 | 187,12 |
| IC-HG30 ICSY HG8M, High-Speed Laser Module (for TO-type or other leaded packages) | | 92,04 | 109,16 |
| IC-HGP EVAL HGP1D, Evaluation Board iC-HGP | | 82,08 | 97,34 |
| IC-HGP EVAL HGP2D, Laser Diode and LED Drivers | | 105,18 | 124,74 |
| IC-HN ICSY HN1M, High Speed Laser Module | | 82,08 | 97,34 |
| IC-HN3 ICSY HN1M, High Speed Laser Module | | 82,08 | 97,34 |
| IC-HS02 ICSY HS3M, High Speed Laser Module | | o.r. | o.r. |
| IC-HS05 ICSY HS3M, High Speed Laser Module | | 131,48 | 155,93 |
| IC-HSB ICSY HS3M, High-Speed Laser Module | | 131,48 | 155,93 |
| IC-HT EVAL HT1D, Evaluation Board for iC-HT | | 111,76 | 132,54 |
| IC-HTG EVAL HTG1D, Evaluation Board iC-HTG | | 111,76 | 132,54 |
| IC-HTP EVAL HTP1D, Evaluation Board iC-HTP | | 111,76 | 132,54 |
| IC-NZN EVAL NZN1D, Evaluation Board iC-NZN (incl. 2 IC samples) | | 82,08 | 97,34 |
| IC-NZP EVAL NZP1D, Evaluation Board iC-NZP (incl. 2 IC samples) | | 82,08 | 97,34 |
| IC-VJ EVAL VJD, Evaluation Board iC-VJ (incl. 2 samples) | EOL | 58,90 | 69,85 |
| IC-VJZ EVAL VJD, Evaluation Board iC-VJZ (incl. 2 samples) | EOL | 58,90 | 69,85 |
| IC-WJ EVAL WJ1D, Evaluation Board iC-WJ (incl. 2 samples) | | 82,08 | 97,34 |
| IC-WJB EVAL WJ1D, Evaluation Board iC-WJB (incl. 2 samples) | | 82,08 | 97,34 |
| IC-WJZ EVAL WJ1D, Evaluation Board iC-WJZ (incl. 2 samples) | | 82,08 | 97,34 |
| IC-WK EVAL WK4D, Evaluation Board iC-WK (incl. 2 samples) | | 82,08 | 97,34 |
| IC-WKL EVAL WK4D, Evaluation Board iC-WKL (incl. 2 samples) | | 82,08 | 97,34 |
| IC-WKN EVAL WK4D, Evaluation Board iC-WKN (incl. 2 samples) | | 82,08 | 97,34 |
| IC-WKM EVAL WKM1D, Evaluation Board iC-WKM (incl. 2 Samples) | | 82,08 | 97,34 |
| IC-WKP EVAL WK1D, Evaluation Board iC-WKP (incl. 2 IC samples) | EOL | 58,90 | 69,85 |
| IC-WKP EVAL WKP1D, Evaluation Board iC-WKP (incl. 2 IC samples) | | 82,08 | 97,34 |

# QUANTUM OPTICS DEVICES

| **TIME TAGGING MODULE** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

**8 channel Time to Digital Converter**

**- 8 channels continuous - resolution 82ps**
**- 2 channels start-stop - resolution 10ps**
- continuous / multi stop / single stop
- GB-LAN (up to 25m events/s)
- variable threshold voltage
- software for Linux & Windows
**- developed & manufactured in Austria**

| | | | |
|---|---|---|---|
| TTM8000, up to 8 channels with resolution 82ps, GB-LAN, incl.software, 160x110x45 mm | EOL | 7.600,00 | 9.013,28 |

| Ultrafast VCSEL/LED triggered Light Source | Status | EUR / pc | USD / pc |
|---|---|---|---|

**MRP series lightpulser**

**- VCSEL/LED lightsource**
**- light curves as short as 100 ps**
**- up to 25 kHz**
- SMA connector
- USB interface

370 - 850 nm available

| | | | |
|---|---|---|---|
| MRP-850V-100-SMA, 850nm, 100-1000 ps, <25 kHz, SMA connector, USB, 145x78x43 mm | | 842,00 | 998,58 |

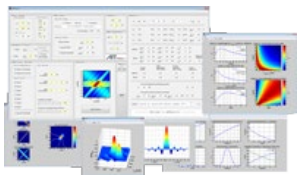
| Single Photon Detection Module | Status | EUR / pc | USD / pc |
|---|---|---|---|

**300 ps Single Photon Counting Module**

**- less then 20 dark counts/s**
**- 300 ns dead time**
- Low jitter, low dark rates
- digital output pulse (0,4V) at SMA connector
- Single 5 VDC supply voltage
**- developed & manufactured in Austria**
**- compatible with many different mounts**

| | | | |
|---|---|---|---|
| QD800C-FQ-500, <500 dark counts/s, 300ps res., 300ns dead time, 400-1000 nm, 5 VDC | | 4.600,00 | 5.455,41 |
| QD800C-FQ-50, <50 dark counts/s, 300ps res., 300ns dead time, 400-1000 nm, 5 VDC | | 5.700,00 | 6.759,96 |
| QD800C-FQ-20, <20 dark counts/s, 300ps res., 300ns dead time, 400-1000 nm, 5 VDC | | 7.500,00 | 8.894,69 |
| ADAPT-C-SM1, lens holder adapter plate, with SM1 thread | | 89,60 | 106,26 |
| ADAPT-C-SM05, lens holder adapter plate, with SM5 thread | | 89,60 | 106,26 |
| ADAPT-C-SM05-P, lens holder adapter plate, with SM5 thread | | 89,60 | 106,26 |
| ADAPT-C-RMS, lens holder adapter plate, with RMS thread | | 89,60 | 106,26 |
| ADAPT-C-MOUNT, lens holder adapter plate, with C-mount thread | | 89,60 | 106,26 |
| ADAPT-C-FC, adapter plate, with FC/PC fiber adapter | | 537,60 | 637,57 |
| ADAPT-C-FC-FLT, adapter plate, with FC/PC fiber adapter and filter holder | | 627,20 | 743,83 |
| HS12, heat sink, 12 mm | | 89,60 | 106,26 |
| HS25, heat sink, 25 mm | | 95,20 | 112,90 |
| HS25-FAN, heat sink, 25 mm, with fan | | 168,00 | 199,24 |
| PS-QD800, power supply, 90-264 VAC | | 67,20 | 79,70 |

| Photon-pair generation simulation software | Status | EUR / pc | USD / pc |
|---|---|---|---|



- Simulates photon-pair generation in seven different crystals (including ppKTP and ppLN)
- Gaussian and sech$^2$ pulses as well as customised laser spectrum
- Gaussian and rectangular bandpass filtering
- Phase-matching conditions, poling periodicity, temperature tuning
- Refractive indices, group delay and temporal walk-off

| | | | |
|---|---|---|---|
| QPMOPTICS, tool to simulate and optimize your experiments, USB License dongle, Win 64-bit | | 980,00 | 1.162,24 |

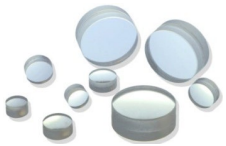
# OPTICAL COMPONENTS

| Laser Diode Collimators \| Molded Plastic | Status | EUR / pc | USD / pc |
|---|---|---|---|

laser diode collimating lenses made of PMMA
available with and without anti reflective
coating

| | | | |
|---|---|---|---|
| CAY046, acrylic lens, 7.4 x 3.05 mm, f 4.6 mm, NA 0.40, AR coated | EOL | 6,48 | 7,69 |
| CAY046NC, acrylic lens, 7.4 x 3.05 mm, f 4.6 mm, NA 0.40, uncoated | | 4,62 | 5,48 |
| CAW100NC, acrylic lens, 5.20 x 2.44 mm, f 10.0 mm, NA 0.20, uncoated | | 4,36 | 5,17 |
| LENS-05A, acrylic lens, 7 x 2.8 mm, f 8.0 mm | | 4,76 | 5,65 |
| LC3, acrylic lens, 3 x 2.4 mm, BFL: 3.41 mm, EFL: 4.5 mm, PMMA, uncoated | | 1,90 | 2,25 |
| ACL3033, acrylic lens, 3.0 x 2.0 mm, BFL: 3.3 mm, PMMA, uncoated | | 1,60 | 1,90 |
| LC5, acrylic lens, 5 x 2.3 mm, BFL: 4.86 mm, EFL: 6.0 mm, PMMA, uncoated | | 1,72 | 2,04 |
| ACL5048, acrylic lens, 5.0 x 2.3 mm, BFL: 4.8 mm, PMMA, uncoated | | 0,98 | 1,16 |
| LC7, acrylic lens, 7 x 3.15 mm, EFL: 7.8 mm, BFL: 6.21 mm, PMMA, uncoated | | 1,72 | 2,04 |
| ACL7065, acrylic lens, 7.0 x 3.3 mm, BFL: 6.47 mm, PMMA, uncoated | | 0,98 | 1,16 |
| LC12, acrylic lens, 7 x 3.15 mm, BFL: 11.2 mm, EFL: 12.5 mm, PMMA, uncoated | | 1,99 | 2,36 |
| ACL7012, acrylic lens, 7.0 x 2.6 mm, EFL: 12.5 mm, PMMA, uncoated | | 1,60 | 1,90 |

| Laser Diode Collimators \| Glass | Status | EUR / pc | USD / pc |
|---|---|---|---|
| glass laser diode collimating lenses<br>M9x0.5 threaded housing<br>1&3 glass lens design<br>ARC for blue, green, red, and IR laser diodes available<br>focal lenghts 4 - 11 mm | | | |
| **BLUE AR Coating** | | | |
| RGL-550-9BS, 3 glass lens, M9x0.5, f: 5.5 mm, NA 0.25, ARC 405-450 nm | | 10,60 | 12,57 |
| RGL-550-9B, 1 glass lens, M9x0.5, f: 5.5 mm, NA 0.45, ARC 405-450 nm | | 10,60 | 12,57 |
| GS-8020B, 3 glass lens, M9x0.5, f: 8.0 mm, NA 0.3, ARC 400-450 nm, O-ring sealing | | 9,80 | 11,62 |
| RGL-830-9B, 3 glass lens, M9x0.5, f: 8.3 mm, NA 0.30, ARC 405-450 nm | | 10,60 | 12,57 |
| LCB-3G, 3 glass lens, M9x0.5, f: 9.5 mm, NA 0.26, ARC 400-450 nm | EOL | 13,40 | 15,89 |
| RGL-110-9B, 3 glass lens, M9x0.5, f: 11.0 mm, NA 0.26, ARC 405-450 nm | | 10,60 | 12,57 |
| **BROADBAND AR Coating** | | | |
| RGL-311-9C, 1 glass lens, M9x0.5, f: 3.1 mm, NA 0.67, ARC 400-700 nm | | 14,20 | 16,84 |
| RGL-402-9C, 1 glass lens, M9x0.5, f: 4.0 mm, NA 0.6, ARC 400-700 nm | | 10,60 | 12,57 |
| RGL-402-9C, 1 glass lens, M9x0.5, f: 4.0 mm, NA 0.6, ARC 400-700 nm | | 10,60 | 12,57 |
| RGL-550-9C, 2 glass lens, M9x0.5, f: 5.5 mm, NA 0.45, ARC 400-700 nm | | 10,60 | 12,57 |
| RGL-650-9C, 2 glass lens, M9x0.5, f 6.5 mm, NA 0.45, ARC 400-700 nm | | 10,60 | 12,57 |
| RGL-102-9C, 2 glass lens, M9x0.5, f: 9.8 mm, NA 0.26, ARC 400-700 nm | | 10,60 | 12,57 |
| **RED AR Coating** | | | |
| RGL-550-9RS, 3 glass lens, M9x0.5, f: 5.5 mm, NA 0.25, ARC 630-670 nm | | 10,60 | 12,57 |
| RGL-550-9R, 2 glass lens, M9x0.5, f 5.5 mm, NA 0.45, ARC 630-670 nm | | 10,60 | 12,57 |
| GS-8020A, 3 glass lens, M9x0.5, f: 8.0 mm, NA 0.3, ARC 630-670 nm, O-ring sealing | | 9,80 | 11,62 |
| RLC-103AF, 3 glass lens, M9x0.5, f: 8.0 mm, NA 0.3, ARC 630-670 nm | | 9,50 | 11,27 |
| RGL-830-9R, 3 glass lens, M9x0.5, f 8.3 mm, NA 0.30, ARC 630-670 nm | | 10,60 | 12,57 |
| LENS-15, 1 glass lens, 5 x 1.5 mm, f: 9.0 mm, NA 0.11, ARC 630-670 nm | | 6,80 | 8,06 |
| MPG-95, 3 glass lens, M9x0.5, f: 9.5 mm, NA 0.29, ARC 630-670 nm | | 13,20 | 15,65 |
| MPG-11, 3 glass lens, M9x0.5, f: 11.0 mm, NA 0.26, ARC 630-670 nm | | 13,20 | 15,65 |
| RGL-110-9R, 3 glass lens, M9x0.5, f: 11.0 mm, NA 0.26, ARC 630-670 nm | | 10,60 | 12,57 |
| **INFRARED AR Coating** | | | |
| RGL-311-9G, 1 glass lens, M9x0.5, f: 3.1 mm, NA 0.67, ARC 600-1050 nm | | 14,20 | 16,84 |
| RGL-820-9IR, 3 glass lens, M9x0.5, f: 9.6 mm, NA 0.25, ARC 630-780 nm | | 12,80 | 15,18 |

| Laser Diode Collimators \| Achromatic Doublet Lens \| Glass | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  achromatic doublet lenses for limiting<br>chromatic and spherical aberration<br>best suited for laser diode collimation | | | |
| DBS-05, glass doublet, 5.2 x 3 mm, f: 11 mm, NA 0.11, ARC | | 13,40 | 15,89 |
| DBS-07, glass doublet, 6.5 x 3.6 mm, f: 15 mm, NA 0.18, ARC | | 14,10 | 16,72 |
| DBS-14, glass doublet, 14 x 6.9 mm, f: 45 mm, NA 0.13, ARC | | 19,85 | 23,54 |

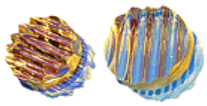
| Fresnel Lenses \| 1.0 µm - 30 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| FRES-MIR-12-A, size 12 x 0.6 mm, f: 8 mm, white PE material | | 2,40 | 2,85 |
| FRES-MIR-20-A, size 20 x 0.6 mm, f: 20 mm, white PE material | | 2,56 | 3,04 |
| FRES-MIR-12-B, size 12 x 0.6 mm, f: 8 mm, dark PE material | | 2,40 | 2,85 |
| FRES-MIR-20-B, size 20 x 0.6 mm, f: 20 mm, dark PE material | | 2,56 | 3,04 |

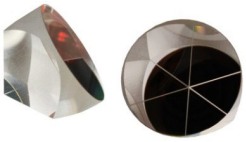
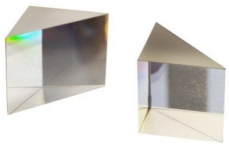
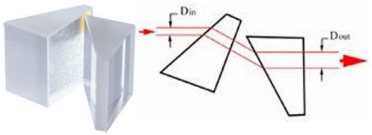
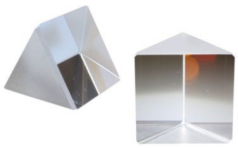
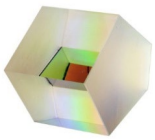
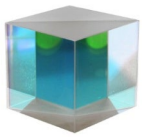
| Silicon Lenses \| 1.2 µm - 9 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| MIR-SI-25-25, silicon plano convex lens, Ø25 mm, FL: 25 mm, ct: 2.5 mm | | 99,00 | 117,41 |
| MIR-SI-35-55, silicon plano convex lens, Ø35 mm, FL: 55 mm, ct: 3.5 mm | | 121,00 | 143,50 |

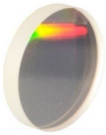
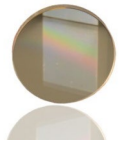
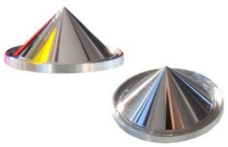
| Germanium Lenses \| 2 µm - 17 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| MIR-GE-25-25, germanium plano convex lens, Ø25 mm, FL: 25 mm, ct: 2.6 mm | | 187,00 | 221,77 |
| MIR-GE-35-55, germanium plano convex lens, Ø35 mm, FL: 55 mm, ct: 3.5 mm | | 187,00 | 221,77 |

| Zinc Selenide Lenses \| 600 nm - 16 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| MIR-ZN-25-50, ZnSe plano convex lens, Ø25.4 mm, FL: 50.8 mm, ct: 2.5 mm | | 144,00 | 170,78 |
| MIR-ZN-25-157, ZnSe plano convex lens, Ø25.4 mm, FL: 157 mm, ct: 2.5 mm | | 144,00 | 170,78 |
| MIR-ZN-25-50-M, ZnSe meniscus lens, AR/AR 10.6 µm, Ø25.4 mm, FL: 50.8 mm, ct: 2.5 mm | | 180,00 | 213,47 |

| Calcium Flouride Lenses \| 150 nm - 9 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| UVIR-CAF2-25-25, CaF2 bi convex lens, Ø25 mm, FL: 25 mm, ct: 11.0 mm | | 121,00 | 143,50 |
| UVIR-CAF2-35-55, CaF2 plano convex lens, Ø35 mm, FL: 55 mm, ct: 10.0 mm | | 143,00 | 169,59 |

| Cylinder Line Generating Lenses \| Glass | Status | EUR / pc | USD / pc |
|---|---|---|---|
| glass cylinder lenses for line generation | | | |
| CL2.0X5.0, cylinder lens, Ø2.0 mm, length 5.0 mm, BK-7 glass | | 3,50 | 4,15 |
| CL2.5X5.5, cylinder rod lens, Ø 2.5 mm, length 5.5 mm, BK-7 glass | | 3,50 | 4,15 |
| CL4.0X6.0, cylinder lens, Ø4.0 mm, length 6.0 mm, BK-7 glass | | 3,90 | 4,63 |
| CL5.0X8.0, cylinder lens, diameter 5.0 mm, length 8.0 mm, ±25°, BK-7 glass | | 3,50 | 4,15 |
| CL7.0X10.0, cylinder lens, Ø7.0 mm, length 10.0 mm, ±15°, BK-7 glass | | 3,50 | 4,15 |
| CL7.0X15.0, cylinder lens, Ø7.0 mm, length 15.0 mm, ±15°, K9 glass, SD 40/20 | | 7,40 | 8,78 |
| HCL10.0X2.0, half-cylinder lens, 10.0x2.0 mm, ±1.5°, BK-7 glass | | 4,30 | 5,10 |
| HCL10.0X7.0X3.7, half-cylinder lens, 10.0x7.0x3.7 mm, ±12°, BK-7 glass | | 4,30 | 5,10 |
| **Powell Line Generating Lenses \| Glass** | **Status** | **EUR / pc** | **USD / pc** |
| patented Powell line generating lens offers very even intensity distribution over the complete lenght of the projected line | | | |
| PL532-1-10, 10° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-3-10, 10° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-5-10, 10° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL532-1-15, 15° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-3-15, 15° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-5-15, 15° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL532-1-30, 30° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-3-30, 30° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-5-30, 30° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL532-1-45, 45° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-3-45, 45° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-5-45, 45° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL532-1-60, 60° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-3-60, 60° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-5-60, 60° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL532-1-90, 90° line, beam Ø1 mm, wavelength 532 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-3-90, 90° line, beam Ø3 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| PL650-5-90, 90° line, beam Ø5 mm, wavelength 650 nm, Ø9 x 8 mm | | 71,10 | 84,32 |
| **Molded Plastic Line Generating Lenses** | **Status** | **EUR / pc** | **USD / pc** |
|  molded plastic lenses for line generation<br><br>- LINE<br>- CROSS LINE | | | |
| LG-20, Ø8 x 1.4 mm, 20° line generating lens, PMMA | | 2,65 | 3,14 |
| LG-35, Ø8 x 2 mm, 35° line generating lens, PMMA | | 2,65 | 3,14 |
| LG-58, Ø8 x 2 mm, 58° line generating lens, PMMA | | 2,65 | 3,14 |
| LG-90, Ø8 x 2 mm, 90° line generating lens, PMMA | | 2,65 | 3,14 |
| LG-110, Ø8 x 3 mm, 110° line generating lens, PMMA | | 2,65 | 3,14 |
| CG-58, Ø8 x 2 mm, 2x 58° cross-line generating lens, PMMA | | 2,98 | 3,53 |
| **Diffractive Pattern Generators** | **Status** | **EUR / pc** | **USD / pc** |
| Diffractive Optical Elements from ruled PMMA sheets<br><br>- LINE<br>- CROSS LINE<br>- CIRCLE<br>- CIRCLE + CROSS LINE (target) | | | |
| DPG11, circle, angle 3°, acrylic die, Ø7 x 1 mm | | 1,39 | 1,65 |
| DOE-7C, circle, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm | | 1,39 | 1,65 |
| DPG12, line, angle 6°, acrylic die, Ø7 x 1 mm | | 1,39 | 1,65 |
| DOE-7L, line, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm | | 1,39 | 1,65 |
| DPG18, cross line, angle 8.8°, acrylic die, Ø7 x 1 mm | | 1,39 | 1,65 |
| DOE-7CL, cross line, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm | | 1,39 | 1,65 |
| DOE-7T, circle with cross line, angle 5-10°, acrylic die, Ø6.7 x 0.8 mm | | 1,39 | 1,65 |

| Retroreflectors | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  trihedral prisms or corner cubes do reflect a laser beam by 180° back to its origin through total internal reflection | | | |
| CCUBE-13-K9, Ø12.7 x 9.5 mm, 60/40 SD, flatness λ/10, uncoated, H-K9L | | 48,00 | 56,93 |
| CCUBE-13-BK7, Ø12.7 x 9.5 mm, S/D 60/40, flatness λ/10, uncoated, BK7 | | 70,00 | 83,02 |
| CCUBE-25-K9, Ø25.4 x 19 mm, S/D 60/40, flatness λ/10, uncoated, H-K9L | | 48,00 | 56,93 |
| CCUBE-25-BK7, Ø25.4 x 19 mm, S/D 60/40, flatness λ/10, uncoated, BK7 | | 87,50 | 103,77 |
| **Right Angle Prisms** | **Status** | **EUR / pc** | **USD / pc** |
|  prisms can be used to deviate a laser beam by 90° or 180° depending on which side is used for the input beam | | | |
| RA-PRISM-10-K9, Right Angle Prism, 10x10x10 mm, λ/10, uncoated, H-K9L | | 16,00 | 18,98 |
| RA-PRISM-10-BK7, Right Angle Prism, 10x10x10 mm, λ/10, uncoated, BK7 | | 17,50 | 20,75 |
| RA-PRISM-20-K9, Right Angle Prism, 20x20x20 mm, λ/10, uncoated, H-K9L | | 24,50 | 29,06 |
| RA-PRISM-20-BK7, Right Angle Prism, 20x20x20 mm, λ/10, uncoated, BK7 | | 28,50 | 33,80 |
| RA-PRISM-25-K9, Right Angle Prism, 25x25x25 mm, λ/10, uncoated, H-K9L | | 29,10 | 34,51 |
| RA-PRISM-25-BK7, Right Angle Prism, 25x25x25 mm, λ/10, uncoated, BK7 | | 33,10 | 39,26 |
| **Anamorphic Prisms** | **Status** | **EUR / pc** | **USD / pc** |
|   anamorphic prism pairs are used to convert an elliptic laser diode beam to near round beam profile | | | |
| AN-PRISM-12-SF11, Anamorphic Prism, 12x12x8.5 mm, λ/10, uncoated, SF11, 1 pc. | | 44,00 | 52,18 |
| **Equilateral Prisms** | **Status** | **EUR / pc** | **USD / pc** |
|  equilateral or dispersion prisms have three equal 60° angles, and are used for spectral dispersion of light | | | |
| EL-PRISM-25-K9, Equilateral Prism, 25.4 mm, λ/10, uncoated, H-K9L | | 45,00 | 53,37 |
| EL-PRISM-25-BK7, Equilateral Prism, 25.4 mm, λ/10, uncoated, BK7 | | 52,50 | 62,26 |
| **Penta Prisms** | **Status** | **EUR / pc** | **USD / pc** |
|  penta prism deviates the input beam through 90°, but does not invert the image in the process | | | |
| PT-PRISM-10-K9, Penta Prism, 10x10 mm, λ/10, AL coating, H-K9L | | 69,60 | 82,54 |
| PT-PRISM-10-BK7, Penta Prism, 10x10 mm, λ/10, AL coating, BK7 | | 42,00 | 49,81 |
| PT-PRISM-25-BK7, Penta Prism, 25.4x25.4 mm, λ/10, AL coating, BK7 | | 84,00 | 99,62 |
| **Polarizing Beamsplitter Cubes** | **Status** | **EUR / pc** | **USD / pc** |
|  beamsplitter splits randomly polarized light into two linear polarized beams | | | |
| PBS-05-BK7, Pol. Beamsplitter Cube, 5x5x5 mm, λ/4, design wavelength 620-660 nm, S/D 60/40, BK7 | | 110,00 | 130,46 |
| PBS-10-ZF1, Pol. Beamsplitter Cube, 10x10x10 mm, λ/4, design wavelength 450-650 nm, SD 60/40, ZF1 | | 92,00 | 109,11 |
| PBS-10-BK7, Pol. Beamsplitter Cube, 10x10x10 mm, λ/4, design wavelength 620-660 nm, S/D 60/40, BK7 | | 117,50 | 139,35 |
| PBS-20-ZF1, Pol. Beamsplitter Cube, 20x20x20 mm, λ/4, design wavelength 450-650 nm, SD 60/40, ZF1 | | 98,60 | 116,94 |
| PBS-20-BK7, Pol. Beamsplitter Cube, 20x20x20 mm, λ/4, design wavelength 620-660 nm, S/D 60/40, BK7 | | 133,20 | 157,97 |

| Optical Windows | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  BK7 and H-K9L high presision uncoated windows for broad wavelenght range of 350 nm to 2 µm<br>excellent transmission in the visible and IR range | | | |
| WIN-10-K9, Window, Ø10 x 3 mm, uncoated, H-K9L glass | | 9,50 | 11,27 |
| WIN-10-BK7, Window, Ø10 x 3 mm, uncoated, BK7 glass | | 9,50 | 11,27 |
| WIN-13-K9, Window, Ø12.7 x 3 mm, uncoated, H-K9L glass | | 9,50 | 11,27 |
| WIN-13-BK7, Window, Ø12.7 x 3 mm, uncoated, BK7 glass | | 9,50 | 11,27 |
| WIN-15-K9, Window, Ø15 x 3 mm, uncoated, H-K9L glass | | 10,50 | 12,45 |
| WIN-15-BK7, Window, Ø15 x 3 mm, uncoated, BK7 glass | | 10,50 | 12,45 |
| WIN-20-K9, Window, Ø20 x 3 mm, uncoated, H-K9L glass | | 13,50 | 16,01 |
| WIN-20-BK7, Window, Ø20 x 3 mm, uncoated, BK7 glass | | 13,50 | 16,01 |
| WIN-25-K9, Window, Ø25.4 x 3 mm, uncoated, H-K9L glass | | 18,00 | 21,35 |
| WIN-25-BK7, Window, Ø25.4 x 3 mm, uncoated, BK7 glass | | 18,00 | 21,35 |
| WIN-30-K9, Window, Ø30 x 3 mm, uncoated, H-K9L glass | | 19,00 | 22,53 |
| WIN-30-BK7, Window, Ø30 x 3 mm, uncoated, BK7 glass | | 19,00 | 22,53 |
| WIN-50-K9, Window, Ø50.8 x 3 mm, uncoated, H-K9L glass | | 25,50 | 30,24 |
| WIN-50-BK7, Window, Ø50.8 x 3 mm, uncoated, BK7 glass | | 25,50 | 30,24 |
| **Metal Coated Mirrors** | **Status** | **EUR / pc** | **USD / pc** |
|  metal coated mirros are ideally suited for reflecting light over a broad range of wavelengths | | | |
| MIR-AL-25K9, Mirror, Ø25.4 x 3 mm, λ/10, coating AL+SiO2, RAVS >87%, H-K9L | | 36,50 | 43,29 |
| MIR-AL-25BK, Mirror, Ø25.4 x 3 mm, λ/10, coating AL+SiO2, RAVS >87%, BK7 | | 37,50 | 44,47 |
| MIR-AG-25K9, Mirror, Ø25.4 x 3 mm, λ/10, coating AG+SiO2, RAVS >95%, H-K9L | | 38,50 | 45,66 |
| MIR-AG-25BK, Mirror, Ø25.4 x 3 mm, λ/10, coating AG+SiO2, RAVS >95%, BK7 | | 39,50 | 46,85 |
| **Cone Mirrors** | **Status** | **EUR / pc** | **USD / pc** |
|  cone mirrors are used to reflect a laser beam by 90° and spread it's light in an angle of 360° | | | |
| CMIR-AL-70, Cone Mirror, Ø7.0 x 3.0 (6.0) mm, λ/10, Aluminum | | 22,10 | 26,21 |
| **Axicon Lenses** | **Status** | **EUR / pc** | **USD / pc** |
| An **AXICON** transforms a laser beam into a ring shaped distribution. It can be used to turn a Gaussian beam into non-diffractive Bessel - like beams.<br><br>- S/D: 60/40<br>- ARC > 99 % @ 400-700nm<br>- CA > 90 % | | | |
| AXICON-12-165, Axicon Lens, Ø12.0 x 1.6 mm, 9 °, H-K9L, ARC 400-700 nm | | 55,70 | 66,06 |
| **Half Ball Lenses** | **Status** | **EUR / pc** | **USD / pc** |
| Half ball lenses with high refraction index for shortest focal length<br>ideally suited for fiber coupling application, endoscopy, ...<br>S/D 40/20<br>Ovality <0,003 | | | |
| HBL-01, Half ball lens, Ø1 mm, uncoated, H-K9L glass | | 11,90 | 14,11 |
| HBL-02, Half ball lens, Ø2 mm, uncoated, H-K9L glass | | 9,20 | 10,91 |
| HBL-03, Half ball lens, Ø3 mm, uncoated, H-K9L glass | | 9,20 | 10,91 |
| HBL-04, Half ball lens, Ø4 mm, uncoated, H-K9L glass | | 9,20 | 10,91 |
| HBL-05, Half ball lens, Ø5 mm, uncoated, H-K9L glass | | 9,20 | 10,91 |
| HBL-06, Half ball lens, Ø6 mm, uncoated, H-K9L glass | | 12,80 | 15,18 |
| HBL-08, Half ball lens, Ø8 mm, uncoated, H-K9L glass | | 12,80 | 15,18 |
| HBL-10, Half ball lens, Ø10 mm, uncoated, H-K9L glass | | 14,20 | 16,84 |
| HBL-15, Half ball lens, Ø15 mm, uncoated, H-K9L glass | | 17,50 | 20,75 |
| HBL-18, Half ball lens, Ø18 mm, uncoated, H-K9L glass | | 29,10 | 34,51 |
| HBL-25, Half ball lens, Ø25 mm, uncoated, H-K9L glass | | 33,60 | 39,85 |
| HBL-38, Half ball lens, Ø38 mm, uncoated, H-K9L glass | | 41,90 | 49,69 |

| Ball Lenses | Status | EUR / pc | USD / pc |
|---|---|---|---|
| ball lenses with high refraction index for shortest focal length<br>ideally suited for fiber coupling application, endoscopy, ...<br>S/D 40/20<br>Ovality <0,003 | | | |
| BL-01, Ball Lens, Ø1 mm, uncoated, H-K9L glass | | 9,90 | 11,74 |
| BL-02, Ball Lens, Ø2 mm, uncoated, H-K9L glass | | 8,20 | 9,72 |
| BL-03, Ball Lens, Ø3 mm, uncoated, H-K9L glass | | 8,20 | 9,72 |
| BL-04, Ball Lens, Ø4 mm, uncoated, H-K9L glass | | 8,20 | 9,72 |
| BL-05, Ball Lens, Ø5 mm, uncoated, H-K9L glass | | 8,20 | 9,72 |
| BL-06, Ball Lens, Ø6 mm, uncoated, H-K9L glass | | 11,80 | 13,99 |
| BL-08, Ball Lens, Ø8 mm, uncoated, H-K9L glass | | 12,20 | 14,47 |
| BL-10, Ball Lens, Ø10 mm, uncoated, H-K9L glass | | 13,10 | 15,54 |
| BL-15, Ball Lens, Ø15 mm, uncoated, H-K9L glass | | 15,50 | 18,38 |
| BL-18, Ball Lens, Ø18 mm, uncoated, H-K9L glass | | 57,90 | 68,67 |
| BL-25, Ball Lens, Ø25 mm, uncoated, H-K9L glass | | 62,40 | 74,00 |
| BL-38, Ball Lens, Ø38 mm, uncoated, H-K9L glass | | 68,70 | 81,48 |
| **Fiber Optic Collimators** | **Status** | **EUR / pc** | **USD / pc** |
| Collimate light exiting a fiber to a selected spot size.<br>The lenses are broadband coated, but can be also offered with costumized antireflection coating.<br>The units are available with FC/PC or SMA connector.<br><br>focal lengths 4 - 40 mm, spot size 1.1 - 11 mm | | | |
| FOC-A4F30-FC, f: 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, FC connector | | o.r. | o.r. |
| FOC-A4F30-SMA, f: 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, SMA connector | | o.r. | o.r. |
| FOC-C10F12-FC, f: 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, FC connector | | o.r. | o.r. |
| FOC-C10F12-SMA, f: 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, SMA connector | | o.r. | o.r. |
| FOC-C15F10-FC, f: 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, FC connector | | o.r. | o.r. |
| FOC-C15F10-SMA, f: 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, SMA connector | | o.r. | o.r. |
| FOC-C15F10Q-FC, f: 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, FC connector | | o.r. | o.r. |
| FOC-C15F10Q-SMA, f: 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, SMA conn. | | o.r. | o.r. |
| FOC-B18F07-FC, f: 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, FC connector | | o.r. | o.r. |
| FOC-B18F07-SMA, f: 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, SMA connector | | o.r. | o.r. |
| FOC-C20F10-FC, f: 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, FC connector | | o.r. | o.r. |
| FOC-C20F10-SMA, f: 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, SMA connector | | o.r. | o.r. |
| FOC-C20F05D-FC, f: 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, FC conn. | | o.r. | o.r. |
| FOC-C20F05D-SMA, f: 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, SMA | | o.r. | o.r. |
| FOC-D30F07-FC, f: 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, FC connector | | o.r. | o.r. |
| FOC-D30F07-SMA, f: 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, SMA connector | | o.r. | o.r. |
| FOC-D40F07-FC, f: 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, FC connector | | o.r. | o.r. |
| FOC-D40F07-SMA, f: 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, SMA connector | | o.r. | o.r. |
| FOC-D40F08D-FC, f: 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, FC conn. | | o.r. | o.r. |
| FOC-D40F08D-SMA, f: 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, SMA | | o.r. | o.r. |
| FOC-D40F02Q-FC, f: 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, FC conn. | | o.r. | o.r. |
| FOC-D40F02Q-SMA, f: 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, SMA | | o.r. | o.r. |

# LASER MODULES - VIOLET

| CW405 series \| VIOLET \| 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| VIOLET Diode laser modules<br>**Automatic Power Control (APC)**<br>**Cinch or USB-C Connector**<br>**Power Supply + Holder available**<br>405 nm | | | |
| CW405-01, 405 nm, <1 mW, fixfocus, automatic power control, 3-5 VDC, Ø12 x 20 (41) mm | | 29,80 | 35,34 |
| CW405-01F, 405 nm, <1 mW, focusable, automatic power control, 3-5 VDC, Ø12 x 37 mm | NEW | 31,40 | 37,24 |
| CW405-01C, 405 nm, <1 mW, fixfocus, automatic power control, 5 VDC, Ø12 x 20 (49) mm, USB-C | NEW | 38,20 | 45,30 |
| CW405-05, 405 nm, 5 mW, fixfocus, automatic power control, 3-5 VDC, Ø12 x 20 (41) mm | | 29,80 | 35,34 |
| CW405-05F, 405 nm, <5 mW, focusable, automatic power control, 3-5 VDC, Ø12 x 37 mm | NEW | 32,80 | 38,90 |
| CW405-05C, 405 nm, 5 mW, fixfocus, automatic power control, 5 VDC, Ø12 x 20 (49) mm, USB-C | NEW | 38,20 | 45,30 |

| RLD series \| VIOLET \| 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

VIOLET Diode laser modules

**Automatic Power Control (APC)**
**Focusable**
**Power Supply available**

| | | | |
|---|---|---|---|
| RLDD405-1-3, 405 nm, 1 mW, 0.5 mrad, focusable, <70 mA, 3 VDC, Ø14 x 45 mm | | 52,00 | 61,67 |
| RLDE405-12-6, 405 nm, 12 mW, 0.6 mrad, focusable, <70 mA, 6 VDC, Ø22 x 65 mm | | 98,00 | 116,22 |
| **Modulable** | | | |
| RLDE405M-20-5, 405 nm, <20 mW, TTL <20 kHz, focusable, 5 VDC, Ø22 x 65 mm | | 138,00 | 163,66 |
| RLDE405M-50-5, 405 nm, <50 mW, TTL <20 kHz, focusable, 5 VDC, Ø22 x 65 mm | | 149,00 | 176,71 |
| RLDE405M-100-5, 405 nm, <100 mW, TTL <20 kHz, focusable, 5 VDC, Ø22 x 65 mm | | 160,00 | 189,75 |

# LASER MODULES - BLUE

| CW450 series \| BLUE \| 450 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

BLUE diode laser modules

**Automatic Power Control (APC)**
**Cinch or USB-C Connector**
**Power Supply + Holder available**

450 nm

| | | | |
|---|---|---|---|
| CW450-01, 450 nm, <1 mW, automatic power control, 3-5 VDC, Ø12 x 21 (44) mm | | 38,90 | 46,13 |
| CW450-01F, 450 nm, <1 mW, APC, focusable, 3-5 VDC, Ø13 x 29 (52) mm | | 46,10 | 54,67 |
| CW450-01C, 450 nm, <1 mW, automatic power control, 5 VDC, Ø12 x 21 (44) mm, USB-C connector | NEW | 47,30 | 56,10 |
| CW450-05, 450 nm, 5 mW, automatic power control, 3-5 VDC, Ø12 x 21 (44) mm | | 38,90 | 46,13 |
| CW450-05C, 450 nm, 5 mW, automatic power control, 5 VDC, Ø12 x 21 (44) mm, USB-C connector | NEW | 47,30 | 56,10 |
| CW450-05F, 450 nm, <5 mW, APC, focusable, 3-5 VDC, Ø13 x 29 (52) mm | | 46,10 | 54,67 |

| RLD series \| BLUE \| 450 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

high quality blue laser diode module
- ACC (automatic current control)
- focusable glass lens
- 40 mW

450 nm

| | | | |
|---|---|---|---|
| RLDD450-40-5, 450 nm, 40 mW, 0.5 mrad, focusable, <170 mA, 5 VDC, Ø14 x 45 mm | | 128,00 | 151,80 |

| CW473H series \| BLUE \| 473 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

BLUE DPSS laser modules

**Automatic Power Control (APC)**
**3 VDC**
**Heat Sink recommended**
**TTL modulation available**

| | | | |
|---|---|---|---|
| CW473H-01, 473 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 817,00 | 968,93 |
| CW473H-10, 473 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 817,00 | 968,93 |
| CW473H-30, 473 nm, 30 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 899,00 | 1.066,18 |
| CW473H-50, 473 nm, 50 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.114,00 | 1.321,16 |
| **Heat Sink** | | | |
| CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC | | 152,00 | 180,27 |

# LASER MODULES - BLUE 360° LINE

| TN360 series \| GREEN | Status | EUR / pc | USD / pc |
|---|---|---|---|

High power 360° **line laser module**

Compact size laser module with 360° line projection through a polished cone mirror. Working distance: 5 m

| | | | |
|---|---|---|---|
| CW360-4510, 450 nm, 10 mW, 360° line, ACC, 3-5 VDC, Ø12 (20) x 37 mm | | 67,10 | 79,58 |

# LASER MODULES - GREEN

| APCD-01 series \| GREEN \| 520 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Compact Size Ø 4.0 mm x 9.1 mm Brass Body**

| CW + PWM Mode
| Fixfocus Acryl Lens
| 6 VDC Supply Voltage

| | | | |
|---|---|---|---|
| APCD-520-01-C2, 520 nm, <1 mW, laser class II, Iop <100 mA, fixfocus, Ø4.0 x 8.5 mm | NEW | 33,90 | 40,20 |
| APCD-520-01-C3, 520 nm, <4 mW, Iop <100 mA, fixfocus, Ø4.0 x 8.5 mm | NEW | 33,90 | 40,20 |

| **APCD-02 series \| GREEN \| 520 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

**Compact Size Ø 6.0 mm x 11 mm Brass Body**

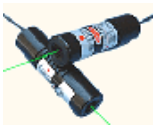
| CW + PWM Mode
| Focusable Acryl Lens
| 6 VDC Supply Voltage

| | | | |
|---|---|---|---|
| APCD-520-02-C2, 520 nm, <1 mW, laser class II, Iop <100 mA, focusable, Ø6.0 x 11 mm | NEW | 31,90 | 37,83 |
| APCD-520-02-C3, 520 nm, <4 mW, Iop <100 mA, focusable, Ø6.0 x 11 mm | NEW | 31,90 | 37,83 |

| APCD-07 series \| GREEN \| 520 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body**<br>\| CW + PWM Mode<br>\| Fixfocus Acryl Lens<br>\| 6 VDC Supply Voltage | | | |
| APCD-520-07-C2, 520 nm, <1 mW, laser class II, Iop <100 mA, fixfocus, Ø3.3 x 8.0 mm | NEW | 35,90 | 42,58 |
| **CW520 series \| GREEN \| 515 nm** | **Status** | **EUR / pc** | **USD / pc** |
| GREEN Diode laser modules<br>**Automatic Power Control (APC)**<br>**Cinch or USB-C Connector**<br>**Power Supply + Holder available** | | | |
| CW520-01, 515 nm, <1 mW, cw, automatic power control, 3-5 VDC, Ø12 x 18 (36) mm | | 30,95 | 36,71 |
| CW520-01F, 520 nm, <1 mW, cw, automatic power control, focusable, 3-5 V, Ø12 x 37 mm | NEW | 39,90 | 47,32 |
| CW520-01C, 515 nm, <1 mW, cw, automatic power control, 5 VDC, Ø12 x 18 (36) mm, USB-C | NEW | 44,90 | 53,25 |
| CW520-838-01, 515 nm, <1 mW, cw, automatic power control, 3-5 VDC, Ø8 x 18 (38) mm | | 32,90 | 39,02 |
| CW520-05, 515 nm, <5 mW, cw, automatic power control, 3-5 VDC, Ø12 x 18 (36) mm | | 30,95 | 36,71 |
| CW520-05F, 520 nm, <5 mW, cw, automatic power control, focusable, 3-5 V, Ø12 x 37 mm | NEW | 41,20 | 48,86 |
| CW520-05C, 515 nm, <5 mW, cw, automatic power control, 5 VDC, Ø12 x 18 (36) mm, USB-C | NEW | 44,90 | 53,25 |
| CW520-838-05, 515 nm, <5 mW, cw, automatic power control, 3-5 VDC, Ø8 x 18 (38) mm | | 32,90 | 39,02 |
| **RLCW520 series \| GREEN \| 520 nm** | **Status** | **EUR / pc** | **USD / pc** |
| **DIRECT EMITTING** green diode laser modules<br>- glass lens, fixed focus<br>- CW operation<br>- APC (automatic power control)<br>- wide operating temperature (-10..+60°C)<br>520 nm | | | |
| RLCW520-5-5, 520 nm, 5 mW, APC, 0.8 mrad, fixed focus, 120 mA, 5 VDC, Ø8 x 35 mm | | 165,00 | 195,68 |
| RLCW520F-9-5, 520 nm, 9 mW, APC, 0.8 mrad, focusable, 100 mA, 5 VDC, Ø16 x 65 mm | | 182,00 | 215,84 |
| RLCW520-12-5, 520 nm, 12 mW, APC, 0.8 mrad, fixed focus, 250 mA, 5 VDC, Ø8 x 35 mm | | 182,00 | 215,84 |
| **Modulable** | | | |
| RLCW520M-1-3, 520 nm, 1 mW, APC, TTL <1 kHz, fixed focus, 30 mA, 3 VDC, Ø8 x 35 mm | | 165,00 | 195,68 |
| RLCW520M-5-5, 520 nm, 5 mW, APC, TTL <10 kHz, fixed focus, 120 mA, 5 VDC, Ø8 x 35 mm | | 182,42 | 216,34 |
| **CW532 series \| GREEN \| 532 nm** | **Status** | **EUR / pc** | **USD / pc** |
| GREEN DPSS Diode laser modules<br>**Automatic Power Control (APC)**<br>**Cinch or USB-C Connector**<br>**Power Supply + Holder available**<br>532 nm | | | |
| **Collimated** | | | |
| CW532-001, 532 nm, <1 mW, cw, APC, 0.6 mrad, ~140 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm | | 42,13 | 49,96 |
| CW532-1-831, 532 nm, <1 mW, cw, APC, 1.2 mrad, 2.7-4.2 VDC, Ø8 x 31 (49) mm | | 36,20 | 42,93 |
| CW532-005, 532 nm, <5 mW, cw, APC, 0.6 mrad, ~140 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm | | 42,13 | 49,96 |
| CW532-5-831, 532 nm, <5 mW, cw, APC, 1.2 mrad, 2.7-4.2 VDC, Ø8 x 31 (49) mm | | 36,20 | 42,93 |
| CW532-010, 532 nm, 10 mW, cw, APC, 0.8 mrad, ~200 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm | | 56,20 | 66,65 |
| CW532-020, 532 nm, 20 mW, cw, APC, 0.8 mrad, ~250 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm | | 69,00 | 81,83 |
| CW532-030, 532 nm, 30 mW, cw, APC, 0.8 mrad, ~350 mA, 2.7-4.2 VDC, Ø12 x 35 (53) mm | | 93,20 | 110,53 |
| CW532-050, 532 nm, 50 mW, cw, APC, 0.8 mrad, ~600 mA, 2.7-4.2 VDC, Ø12 x 35 (53) mm | | 109,75 | 130,16 |
| CW532-100, 532 nm, 100 mW, cw, ACC, 1.2 mrad, ~650 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm | | 218,30 | 258,89 |
| **Focusable** | | | |
| CW532-001F, 532 nm, <1 mW, APC, focusable, 150 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm | | 45,63 | 54,12 |
| CW532-005F, 532 nm, <5 mW, APC, focusable, 200 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm | | 45,63 | 54,12 |
| CW532-010F, 532 nm, 10 mW, APC, focusable, 200 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm | | 53,70 | 63,69 |
| CW532-020F, 532 nm, 20 mW, APC, focusable, 250 mA, 2.7-4.2 VDC, Ø13 x 37(55) mm | | 67,20 | 79,70 |
| CW532-050F, 532 nm, 50 mW, APC, focusable, 600 mA, 2.7-4.2 VDC, Ø13 x 37 (55) mm | | 120,84 | 143,31 |
| CW532-100F, 532 nm, 100 mW, ACC, focusable, 650 mA, 2.7-4.2 VDC, Ø13 x 37(55) mm | | 227,10 | 269,33 |
| **USB-C Connector** | | | |
| CW532-01C, 532 nm, <1 mW, cw, APC, 0.6 mrad, ~140 mA, 5 VDC, Ø12 x 31 (49) mm, USB-C | NEW | 48,90 | 57,99 |
| CW532-05C, 532 nm, <5 mW, cw, APC, 0.6 mrad, ~140 mA, 5 VDC, Ø12 x 31 (49) mm, USB-C | NEW | 50,70 | 60,13 |
| **High operating temperature** | | | |
| CW532HT-1, 532 nm, 0.5-0.99 mW, cw, APC, 10-50°C, 1.2 mrad, 2.7-4.2 VDC, Ø12 x 31.3 (51.3) mm | | 69,70 | 82,66 |
| CW532HT-5, 532 nm, 3-5 mW, cw, APC, 10-50°C, 1.2 mrad, 2.7-4.2 VDC, Ø12 x 31.3 (51.3) mm | | 69,70 | 82,66 |
| LAS532-WT50-3, 532 nm, 3.25 mW, cw, APC, -10-50°C, 1.7 mrad, 3 VDC, Ø12 x 35 mm | | 102,00 | 120,97 |

| CW532H series \| GREEN \| 532 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| GREEN DPSS laser modules<br>**Automatic Power Control (APC)**<br>**3 VDC**<br>**Heat Sink recommended**<br>**TTL modulation available**<br>532 nm | | | |
| CW532H-050, 532 nm, 50 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 316,00 | 374,76 |
| CW532H-100, 532 nm, 100 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 461,00 | 546,73 |
| CW532H-300, 532 nm, 300 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 733,00 | 869,31 |
| **Heat Sink** | | | |
| CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC | | 152,00 | 180,27 |

| CW532-04 series \| GREEN \| 532 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| GREEN DPSS Diode laser modules<br>**Automatic Power Control (APC)**<br>**CW + modulation (BNC)**<br>**9.0 VDC**<br>532 nm | | | |
| CW532-04-1, 532 nm, <1 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 199,00 | 236,01 |
| CW532-04-5, 532 nm, <5 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 219,00 | 259,72 |
| CW532-04-10, 532 nm, <10 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 229,00 | 271,58 |
| CW532-04-20, 532 nm, <20 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 318,00 | 377,13 |
| CW532-04-30, 532 nm, >30 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 365,00 | 432,87 |
| CW532-04-50, 532 nm, 50 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 449,00 | 532,50 |
| CW532-04-80, 532 nm, 80 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC | | 547,00 | 648,72 |

| RLDD532 series \| GREEN \| 532 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  small size diode pumped solid state green laser modules,<br>ready to use, auto power control, size: 16 x 60 mm<br>supply voltage: 3.0 VDC<br>532 nm | | | |
| RLDD532-1-3, 532 nm, 1 mW, cw, laser class II, APC, 0.5 mrad, 3.0 VDC, Ø16 x 60 mm | | 78,34 | 92,91 |
| RLDD532-1-3-LI, 532 nm, 1 mW, cw, laser class II, APC, 0.5 mrad, 3.0 VDC, wires only, Ø16 x 60 mm | | 78,34 | 92,91 |
| RLDD532-3-3, 532 nm, 3 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø16 x 60 mm | | 80,77 | 95,79 |
| RLDD532-5-3, 532 nm, 5 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø16 x 60 mm | | 90,77 | 107,65 |
| RLDD532-10-3, 532 nm, 10 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø20 x 80 mm | | 122,31 | 145,05 |
| RLDD532-50-3, 532 nm, 50 mW, cw, APC, 0.5 mrad, 3.0 VDC, Ø42 x 80 mm | | 313,00 | 371,20 |

# LASER MODULES - GREEN LINE

| RLCW520 \| GREEN \| 520 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| Green focusable line laser module<br>- APC (automatic power control)<br>- Focusable<br>- **90° line**, cylinder lens<br>- wide operating temperature (-10..+60°C)<br>520 nm | | | |
| RLCW520FL-5-5, 520 nm, 5 mW, line, 0.4 mrad, focusable, 150 mA, 5 VDC, Ø16 x 65 mm | | 166,70 | 197,70 |

| CW532-L series \| GREEN \| 532 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| GREEN Diode pumped solid state (DPSS) **line** laser modules<br>**60° line generating lens (cylinder lens)**<br>**Automatic Power Control (APC)**<br>**Power Supply + Holder available**<br>532 nm | | | |
| CW532-001L, 532 nm, <1 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 45,63 | 54,12 |
| CW532-1-833L, 532 nm, <1 mW, cw, APC, 60° line, 150 mA, 2.7-4.2 VDC, Ø8 x 35 (53) mm | | 41,10 | 48,74 |
| CW532-005L, 532 nm, <5 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 45,63 | 54,12 |
| CW532-5-833L, 532 nm, <5 mW, cw, APC, 60° line, 200 mA, 2.7-4.2 VDC, Ø8 x 35 (53) mm | | 41,10 | 48,74 |
| CW532-010L, 532 nm, <10 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 60,60 | 71,87 |
| CW532-020L, 532 nm, <20 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 73,80 | 87,52 |
| CW532-030L, 532 nm, 30 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 97,20 | 115,28 |
| CW532-050L, 532 nm, 50 mW, cw, APC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 114,60 | 135,91 |
| CW532-100L, 532 nm, 100 mW, cw, ACC, 60° line, 2.7-4.2 VDC, Ø12 x 35 (51) mm | | 232,40 | 275,62 |

| RLDD532L \| GREEN \| 532 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**DIRECT EMITTING** green line laser modules

- APC (automatic power control)
- **90° line**, cylinder lens
- wide operating temperature (-10..+60°C)

| | | | |
|---|---|---|---|
| RLDD532L-5-3, 532 nm, <5 mW, cw, APC, 90° line, <300 mA, 3.0 VDC, Ø14 x 60 mm | | 78,00 | 92,50 |

# LASER MODULES - GREEN CROSS LINE

| RLC series \| GREEN | Status | EUR / pc | USD / pc |
|---|---|---|---|

**DIRECT EMITTING** green cross line laser modules
- APC (automatic power control)
- **90° cross line**, cylinder lenses
- fixed focus
- wide operating temperature (-10 .. +60 °C)

520 + 532 nm

| | | | |
|---|---|---|---|
| RLCW520C-5-5, 520 nm, 4.5-5.5 mW, cross line, fixed focus, 80 mA, 5 VDC, Ø20 x 80 mm | | 182,00 | 215,84 |

# LASER MODULES - GREEN 360° LINE

| TN360 series \| GREEN | Status | EUR / pc | USD / pc |
|---|---|---|---|

High power 360° **line laser module**

Compact size laser module with 360° line projection through a polished cone mirror.
Working distance: 5 m

| | | | |
|---|---|---|---|
| CW360-5210, 520 nm, 10 mW, 360° line, APC, 3-5 VDC, Ø12 (20) x 37 mm | | 47,10 | 55,86 |
| TN360-5020, 505 nm, 20 mW, 360° line, 7.0 VDC, Ø13(20) x 35 mm | EOL | 59,00 | 69,97 |

# LASER MODULES - YELLOW

| CW561H series \| YELLOW-GREEN \| 561 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

YELLOW-GREEN DPSS laser modules

**Automatic Power Control (APC)**
**3 VDC**
**Heat Sink recommended**
**TTL modulation available**

561 nm

| | | | |
|---|---|---|---|
| CW561H-01, 561 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 990,00 | 1.174,10 |
| CW561H-05, 561 nm, 5 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 990,00 | 1.174,10 |
| CW561H-10, 561 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 990,00 | 1.174,10 |
| CW561H-20, 561 nm, 20 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.411,00 | 1.673,39 |
| **Heat Sink** | | | |
| CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC | | 152,00 | 180,27 |

| CW589H series \| YELLOW \| 589 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

YELLOW DPSS laser modules

**Automatic Power Control (APC)**
**3 VDC**
**Heat Sink recommended**
**TTL modulation available**

589 nm

| | | | |
|---|---|---|---|
| CW589H-01, 589 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 910,00 | 1.079,22 |
| CW589H-05, 589 nm, 5 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 910,00 | 1.079,22 |
| CW589H-10, 589 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 910,00 | 1.079,22 |
| CW589H-30, 589 nm, 30 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.114,00 | 1.321,16 |
| CW589H-50, 589 nm, 50 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.529,00 | 1.813,33 |
| CW589H-80, 589 nm, 80 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.882,00 | 2.231,97 |
| **Heat Sink** | | | |
| CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC | | 152,00 | 180,27 |

| CW series \| YELLOW \| 593 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| DPSS laser modules<br>**Automatic Power Control (APC)**<br>**Cinch Connector**<br>**Focusable**<br>**Heat Sink required** | | | |
| CW593-01, 593 nm, <1 mW, cw, < 1.2 mrad, <450 mA, 2.7-4.2 VDC, Ø12 x 31 (49) mm | NEW | 54,30 | 64,40 |
| **Heat Sink** | | | |
| SQ50X34, heat sink for CW Ø 12mm series, black aluminium, 114 g, 50 x 50 x 34 mm | | 18,90 | 22,41 |

| CW594H series \| YELLOW \| 593.5 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| YELLOW DPSS laser modules<br>**Automatic Power Control (APC)**<br>**3 VDC**<br>**Heat Sink recommended**<br>**TTL modulation available**<br>593.5 nm | | | |
| CW594H-01, 593.5 nm, 1 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | NEW | 910,00 | 1.079,22 |
| CW594H-05, 593.5 nm, 5 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 956,00 | 1.133,78 |
| CW594H-10, 593.5 nm, 10 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.114,00 | 1.321,16 |
| CW594H-20, 593.5 nm, 20 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.294,00 | 1.534,63 |
| CW594H-30, 593.5 nm, 30 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 1.529,00 | 1.813,33 |
| **Heat Sink** | | | |
| CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC | | 152,00 | 180,27 |

# LASER MODULES - RED 635 nm

| CW series \| RED \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Automatic Power Control (APC)**<br>**Focusable**<br>**Cinch or USB-C Connector**<br>**635 nm** | | | |
| CW635-01, 635 nm, <1 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm | | 16,90 | 20,04 |
| CW635-01C, 635 nm, <1 mW, cw, focussable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector | NEW | 21,90 | 25,97 |
| CW635-05, 635 nm, <5 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm | | 18,20 | 21,58 |
| CW635-05C, 635 nm, <5 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector | NEW | 23,20 | 27,51 |
| CW635-10, 635 nm, 10 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm | | 25,70 | 30,48 |
| CW635-10C, 635 nm, 10 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C male connector | NEW | 35,72 | 42,36 |

| LJ series \| RED \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Automatic Power Control (APC)**<br>**Focusable Single Element Acryl Lens**<br>**Modulation Option available**<br>**635 nm** | | | |
| LDM635/1LJ, 635 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm | | 31,80 | 37,71 |
| LDM635/3LJ, 635 nm, 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm | | 35,60 | 42,22 |
| LDM635/5LJ, 635 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm | | 37,60 | 44,59 |
| **Modulable** | | | |
| LDM635/1LJM, 635 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable | | 28,00 | 33,21 |
| LDM635/5LJM, 635 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable | | 38,90 | 46,13 |

| LT series \| RED \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Automatic Power Control (APC)**<br>**Focusable 3 Element Glass Lens**<br>**Excellent Beam Quality**<br>**Modulation Option available**<br>**635 nm** | | | |
| LDM635/1LT, 635 nm, 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 48,20 | 57,16 |
| LDM635/1LTF, 635 nm, 1 mW, fixfocus, glass lens, 4-6V, Ø13 x 52 mm | | 31,00 | 36,76 |
| LDM635/3LT, 635 nm, 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 32,40 | 38,43 |
| LDM635/5LT, 635 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 52,00 | 61,67 |
| **Modulable** | | | |
| LDM635/5LTM, 635 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm, modulable | | 60,00 | 71,16 |

| APCD-02 Series \| RED \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Compact Size Ø 6.0 mm x 11 mm Brass Body**<br>\| APC Driver integrated<br>\| Focusable Acryl Lens<br>\| 3 VDC Supply Voltage | | | |
| APCD-635-02-C2, 635 nm, <1 mW, laser class II, focusable, Ø6.0 x 11 mm | | 9,33 | 11,06 |
| APCD-635-02-C3, 635 nm, <3 mW, focusable, Ø6.0 x 11 mm | | 9,33 | 11,06 |
| **LM-101-C4 \| RED \| 635 nm** | **Status** | **EUR / pc** | **USD / pc** |
| **Low Cost General Purpose Module**<br>\| APC Driver<br>\| Fix Focus Acryl Lens<br>\| 3 VDC Supply Voltage | | | |
| LM-101-C4, 635 nm, <1 mW, TUV, 3.0 VDC, Ø8 x 24 mm | | 6,35 | 7,53 |
| **RLD series \| RED \| 635 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLD red laser diode module series<br>- single mode<br>- focusable glass lens<br>**635 nm** | | | |
| RLDC635-2.2-3-LI, 635 nm, typ. 2.5 mW, focusable, 3 VDC, wires only, Ø8 x 25.0 mm | | 29,90 | 35,46 |
| RLDE635-10-3, 635 nm, 10 mW, SM, focusable, 3 VDC, Ø14 x 45 mm | | 53,00 | 62,86 |
| **Modulable** | | | |
| RLDH635M-4-5, 635 nm, 4 mW, APC, TTL <500 kHz, focusable, 5 VDC, Ø12 x 34 mm | | 31,00 | 36,76 |
| **LDM635 \| RED \| 635 nm** | **Status** | **EUR / pc** | **USD / pc** |
| LDM635-03-05x25 low cost laser diode module for general purposes,<br>635 nm, < 3 mW | | | |
| LDM635-03-08X25, 635 nm, <3 mW, fixfocus, 3.0 VDC, Ø8 x 25 mm | | 8,10 | 9,61 |

# LASER MODULES - RED 650 nm

| CW series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RED Diode laser modules<br>**Automatic Power Control (APC)**<br>**Cinch or USB-C Connector**<br>**Focusable**<br>**Power Supply + Holder available** | | | |
| CW650-01, 650 nm, <1 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm | | 15,30 | 18,15 |
| CW650-01C, 650 nm, <1 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector | NEW | 19,50 | 23,13 |
| CW650-05, 650 nm, <5 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm | | 16,50 | 19,57 |
| CW650-05C, 650 nm, <5 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector | NEW | 20,80 | 24,67 |
| CW650-10, 650 nm, 10 mW, cw, focusable, APC, 3-5 VDC, Ø12 x 37 mm | | 22,90 | 27,16 |
| CW650-10C, 650 nm, 10 mW, cw, focusable, APC, 5 VDC, Ø12 x 37 mm, USB-C connector | NEW | 27,30 | 32,38 |
| **LJ series \| RED \| 650 nm** | **Status** | **EUR / pc** | **USD / pc** |
| **Automatic Power Control (APC)**<br>**Focusable Single Element Acryl Lens**<br>**Modulation Option available**<br>**650 nm** | | | |
| LDM650/1LJ, 650 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm | | 22,00 | 26,09 |
| LDM650/3LJ, 650 nm, 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm | | 24,00 | 28,46 |
| LDM650/5LJ, 650 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm | | 33,20 | 39,37 |
| **Modulable** | | | |
| LDM650/1LJM, 650 nm, 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable | | 25,89 | 30,70 |
| LDM650/5LJM, 650 nm, 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm, modulable | | 29,00 | 34,39 |

| LT series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Automatic Power Control (APC)**<br>**Focusable 3 Element Glass Lens**<br>**Excellent Beam Quality**<br>**Modulation Option available**<br>**650 nm** | | | |
| LDM650/1LT, 650 nm, 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 42,00 | 49,81 |
| LDM650/3LT, 650 nm, 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 31,30 | 37,12 |
| LDM650/5LT, 650 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 39,00 | 46,25 |
| **Modulable** | | | |
| LDM650/5LTM, 650 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm, modulable | | 40,00 | 47,44 |

| APCD-01 series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Compact Size Ø 4.0 mm x 9.1 mm Brass Body**<br>\| APC Driver integrated<br>\| Fixfocus Acryl Lens<br>\| 3 VDC Supply Voltage | | | |
| APCD-650-01-C2, 650 nm, <1 mW, laser class II, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm | | 8,33 | 9,88 |
| APCD-650-01-C3, 650 nm, <3 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm | | 8,33 | 9,88 |

| APCD-02 series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Compact Size Ø 6.0 mm x 11 mm Brass Body**<br>\| APC Driver integrated<br>\| Focusable Acryl Lens<br>\| 3 VDC Supply Voltage | | | |
| APCD-650-02-C2, 650 nm, <1 mW, laser class II, focusable, Ø6.0 x 11 mm | | 8,63 | 10,23 |
| APCD-650-02-C3, 650 nm, <3 mW, focusable, Ø6.0 x 11 mm | | 8,63 | 10,23 |

| APCD-06 series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Compact Size Ø 6.5 mm x 9.0 mm Aryl Body**<br>\| APC Driver integrated<br>\| Fixfocus Embedded Lens<br>\| 3 VDC Supply Voltage<br>**650 nm** | | | |
| APCD-650-06-C2, 650 nm, <1 mW, laser class II, Iop <35 mA, fixfocus, Ø6.5 x 9.0 mm | | 6,49 | 7,70 |
| APCD-650-06-C3, 650 nm, <3 mW, Iop <35 mA, fixfocus, Ø6.5 x 9.0 mm | | 6,49 | 7,70 |

| APCD-07 series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body**<br>\| APC Driver integrated<br>\| Fixfocus Acryl Lens<br>\| 3 VDC Supply Voltage | | | |
| APCD-650-07-C2, 650 nm, <1 mW, laser class II, Iop <35 mA, fixfocus, Ø3.3 x 8.0 mm | | 8,80 | 10,44 |
| APCD-650-07-C3, 650 nm, <3 mW, Iop <35 mA, fixfocus, Ø3.3 x 8.0 mm | | 8,80 | 10,44 |

| LM-101-A16 \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| low cost red laser module series, for general purpose<br>input voltage 3-5 VDC, Po <1 mW, 9 x 26 mm<br>**Laser class II**<br>650 nm | | | |
| LM-101-A16, 650 nm, <1 mW, Laser Class II, fixfocus, 3-5 VDC, Ø9 x 26 mm | | 8,48 | 10,06 |
| LM-101-A16F, 650 nm, <1 mW, Laser Class II, focusable, 3-5 VDC, Ø9 x 26 mm | | 8,48 | 10,06 |

| LM-10x \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| low cost red laser module series, for general purpose<br>power typ <1 mW or <5 mW,<br>custom design on request<br>650 nm | | | |
| LM-101-A4, 650 nm, <1 mW, TUV, 3.0 VDC, Ø8 x 24 mm | | 6,20 | 7,35 |
| LM-102-B004, 650 nm, <5 mW, FDA, 3.0 VDC, Ø8 x 24 mm | | 8,60 | 10,20 |

| DT650-2.5-3 \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

low cost laser diode module for general purposes, visible wavelength

650 nm

| | | | |
|---|---|---|---|
| DT650-2.5-3, 650 nm, 3 mW, focusable, 3.0 VDC, Ø10.5 x 28 mm | | 6,89 | 8,17 |

| VLM650 series \| RED \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Special purpose laser modules

VLMxxx-yy-LPT: <1 mW
VLMxxx-yy-LPA: <5 mW

650 nm

| | | | |
|---|---|---|---|
| VLM650-00, 650 nm, <3 mW, fixfocus, w/o driver board, Ø10.52 x 17.20 mm | | 25,40 | 30,12 |
| VLM650-01-LPA, 650 nm, <5 mW, fixfocus, Ø10.4 x 18.5 mm | | 28,70 | 34,04 |
| VLM650-02-LPA, 650 nm, <5 mW, fixfocus, Ø10.5 x 17.2 mm | | 27,20 | 32,26 |
| VLM650-03-LPT, 650 nm, <1 mW, fixfocus, Ø7.0 x 22.5 mm | | 23,50 | 27,87 |
| VLM650-04-LPT, 650 nm, <1 mW, fixfocus, Ø6.55 x 12.10 mm | | 15,90 | 18,86 |
| VLM650-06-LPA, 650 nm, <5 mW, fixfocus, Ø12.5 x 53.0 mm | | 60,00 | 71,16 |
| VLM650-07-LPA, 650 nm, <5 mW, fixfocus, Ø12.5 x 53.0 mm | | 61,00 | 72,34 |
| VLM650-08-LPA, 650 nm, <5 mW, fixfocus, Ø10.51 x 24.6 mm | | 17,50 | 20,75 |
| VLM650-09-LPA, 650 nm, <5 mW, fixfocus, Ø10.51 x 31.0 mm | | 17,50 | 20,75 |
| VLM650-11-LPA, 650 nm, <5 mW, fixfocus, Ø10.52 x 30.00 mm | | 26,30 | 31,19 |
| VLM650-14-LPA, 650 nm, <5 mW, fixfocus, Ø12.00 x 43.0 mm | | 43,75 | 51,89 |
| VLM650-15-LPA, 650 nm, <5 mW, fixfocus, Ø12.00 x 30.0 mm | | 43,75 | 51,89 |
| VLM650-16-LPT, 650 nm, <1 mW, fixfocus, Ø8.50 x 24.5 mm | | 27,00 | 32,02 |
| VLM650-16-LPA, 650 nm, <5 mW, fixfocus, Ø8.50 x 24.5 mm | | 62,30 | 73,89 |
| VLM650-17-LPT, 650 nm, <1 mW, fixfocus, Ø12.00 x 30.0 mm | | 28,80 | 34,16 |
| VLM650-17-LPA, 650 nm, <5 mW, fixfocus, Ø12.00 x 30.0 mm | | 28,80 | 34,16 |

| RLD series \| RED \| 650 - 660 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

RLD red laser diode modules

- single mode
- focusable glass lens
- TTL modulation option
- **up to 70mW**

| | | | |
|---|---|---|---|
| RLDG650-13-3-LI, 655 nm, 13 mW, SM, focusable, 3 VDC, wires only, Ø14 x 45 mm | | 26,00 | 30,83 |
| RLDH650-24-3, 655 nm, 24 mW, SM, focusable, 3 VDC, Ø14 x 45 mm | | 76,00 | 90,13 |
| RLDH650-24-3-LI, 655 nm, 24 mW, SM, focusable, 3 VDC, wires only, Ø14 x 45 mm | | 76,00 | 90,13 |
| RLDH660-40-3, 660 nm, 40 mW, SM, focusable, 3 VDC, Ø16 x 50 mm | | 136,00 | 161,29 |
| RLDH660-70-3, 660 nm, 70 mW, SM, focusable, 3 VDC, Ø22 x 65 mm | | 142,00 | 168,41 |
| **Modulable** | | | |
| RLDH650M-4-5, 650 nm, 4 mW, APC, TTL <500 kHz, focusable, 5 VDC, Ø12 x 34 mm | | 26,50 | 31,43 |
| RLDH650M-24-5, 650 nm, 24 mW, ACC, TTL <200 kHz, focusable, 5 VDC, Ø14 x 45 mm | | 75,00 | 88,95 |
| RLDH650M-40-5, 650 nm, 40 mW, ACC, TTL <50 kHz, focusable, 5 VDC, Ø16 x 50 mm | | 118,00 | 139,94 |

| RLD Micro series \| RED \| 650 - 670 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**very small size 8 x 27.5 mm**
- focusable glass collimator
- power supply 3 VDC

650, 670 nm

| | | | |
|---|---|---|---|
| RLDG650-1-3-LI, 650 nm, 1 mW, APC, 0.8 mrad, fixed focus, 50 mA, 3 VDC, wires only, Ø7 x 14 mm | | 6,50 | 7,71 |
| RLDC650-2.2-3, 650 nm, typ. 2 mW, focusable, 3 VDC, Ø8 x 25.0 mm | | 16,00 | 18,98 |
| RLDC670-2.2-3-LI, 670 nm, typ. 2 mW, focusable, 3 VDC, wires only, Ø8 x 25 mm | | 20,15 | 23,90 |

| LDM-1A \| RED \| 670 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Micro laser diode module series**
- PCB mountable
- focussable **(100µm spotsize)**
- divergence < 1 mrad

670 nm

| | | | |
|---|---|---|---|
| LDM-1A, 670 nm, <1 mW, FDA, 3-6 VDC, 13 x 13 x 10 mm | | 335,00 | 397,30 |

| OEM series \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

low cost general purpose laser diode modules
**PHASE OUT**

| | | | |
|---|---|---|---|
| LM-01, 650 nm, <3 mW, dot, fixfocus, 3.0 VDC, Ø8 x 29.5 mm | EOL | 3,50 | 4,15 |
| LM-02, 650 nm, <3 mW, dot, fixfocus, 3.0 VDC, Ø12 x 30.5 mm | EOL | 3,50 | 4,15 |
| RLM-650-A-1, 650 nm, 1-2 mW, 3.0-4.5 VDC, Ø10 x 26.5 mm | EOL | 5,83 | 6,91 |
| RLM-635-A-3, 635 nm, typ. 3..5 mW, 3.0-4.5 VDC, Ø10 x 26.5 mm | EOL | 13,78 | 16,34 |
| RLM-635-B-1, 635 nm, <1 mW, 3.0-4.5 VDC, Ø8 x 23.5 mm | EOL | 13,78 | 16,34 |

# LASER MODULES - RED BEAM EXPANDER

| RLE series \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

expanded beam laser diode module series
for extreme target distances

635, 650 nm

| | | | |
|---|---|---|---|
| RLE635-1-3-8, 635 nm, 1 mW, SM, Ø8 mm beam aperture, round beam, 3 VDC | | 76,00 | 90,13 |
| RLE635-2-3-8, 635 nm, 2 mW, SM, Ø8 mm beam aperture, round beam, 3 VDC | | 93,00 | 110,29 |
| RLE635-2-3-20, 635 nm, 2 mW, SM, Ø20 mm beam aperture, round beam, 3 VDC | | 112,00 | 132,83 |
| RLE650-1-3-8, 650 nm, 1 mW, SM, Ø8 mm beam aperture, square beam, 3 VDC | | 64,00 | 75,90 |
| RLE650-8-3-20, 650 nm, 8 mW, SM, Ø20 mm beam aperture, square beam, 3 VDC | | 134,00 | 158,92 |
| RLE650-8-5-30, 650 nm, 8 mW, SM, Ø30 mm beam aperture, square beam, 5 VDC | | 169,00 | 200,43 |

# LASER MODULES - RED LINE

| RLCW series \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Red** focusable line laser modules

- APC (automatic power control)
- Focusable
- **90° line**, cylinder lens
- wide operating temperature (-10..+60°C)

635 + 650 nm

| | | | |
|---|---|---|---|
| RLCW635FL-5-3, 635 nm, 5 mW, line, 0.4 mrad, focusable, 3 VDC, Ø16 x 65 mm | NEW | 71,43 | 84,71 |
| RLCW650FL-5-3, 655 nm, 5 mW, line, 0.4 mrad, focusable, 3 VDC, Ø16 x 65 mm | NEW | 65,70 | 77,92 |

| LM-101-A102 \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

low cost, **red line laser module**, for
general purpose.
Input voltage 3-5 VDC , Po <1 mW,
60° acrylic line generating lens, 9 x 30 mm
**Laser class II**

| | | | |
|---|---|---|---|
| LM-101-A102, 650 nm, <1 mW, line, Laser Class II, 3-5 VDC, Ø9 x 30 mm | | 8,48 | 10,06 |

| RLL series \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power **line laser module**
uses cylindrical glass lens

| | | | |
|---|---|---|---|
| RLLI635-2.5-3, 635 nm, 2.5 mW, typ. 100° line, 3 VDC, with connector, Ø8 x 25.5 mm | | 28,00 | 33,21 |
| RLLI635-2.5-3-LI, 635 nm, 2.5 mW, typ. 100° line, 3 VDC, wires only, Ø8 x 25.5 mm | | 28,00 | 33,21 |
| RLLH635-4-3-LI, 635 nm, 4 mW, typ. 100° line, 3 VDC, wires only, Ø12 x 32 mm | | 40,00 | 47,44 |
| RLLH635-4-5, 635 nm, 4 mW, typ. 100° line, 5 VDC, Ø12 x 32 mm | | 40,00 | 47,44 |
| RLLH635-4-5-LI, 635 nm, 4 mW, typ. 100° line, 5 VDC, wires only, Ø12 x 32 mm | | 40,00 | 47,44 |
| RLLI650-1-3-LI, 655 nm, <1 mW, 100° line, 3 VDC, wires only, Ø8 x 25.5 mm | | 25,00 | 29,65 |
| RLLH650-16-3, 650 nm, 16 mW, typ. 100° line, 3 VDC, Ø14 x 45 mm | | 83,00 | 98,43 |
| RLLH650-24-3, 650 nm, 24 mW, typ. 100° line, 3 VDC, Ø14 x 49 mm | | 146,00 | 173,15 |

# LASER MODULES - RED CROSS LINE

| RLCB series \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

**cross line laser module**
uses two 90° twisted cylindrical glass lenses
APC (automatic power control)

| | | | |
|---|---|---|---|
| RLCB635-2.5-3, 635 nm, 2.5 mW, cross line, fixed focus, 3 VDC, Ø16 x 45 mm | | 40,00 | 47,44 |
| RLCB635-5-5, 635 nm, 5 mW, cross line, fixed focus, 5 VDC, Ø16 x 45 mm | | 49,00 | 58,11 |

# LASER MODULES - RED 360° LINE

| TN360 series \| RED | Status | EUR / pc | USD / pc |
|---|---|---|---|

High power 360° **line laser module**

Compact size laser module with 360° line projection through a polished cone mirror.
Working distance. 5m

| | | | |
|---|---|---|---|
| CW360-6310, 635 nm, 10 mW, 360° line, APC, 3-5 VDC, Ø12 (20) x 37 mm | | 42,90 | 50,88 |
| TN360-6450, 638 nm, 50 mW, 360° line, 3-5 VDC, Ø13(20) x 35 mm | | 35,40 | 41,98 |

# LASER MODULES - 780 nm

| CW series \| INFRARED \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW780-005, 780 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 37,90 | 44,95 |
| CW780-010, 780 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 41,10 | 48,74 |
| CW780-050, 780 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 53,30 | 63,21 |

| APCD 01 series \| INFRARED \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Compact Size Ø 4.0 mm x 9.1 mm Brass Body**

\| APC Driver integrated
\| Fixfocus Acryl Lens
\| 3 VDC Supply Voltage

| | | | |
|---|---|---|---|
| APCD-780-01-C2, 780 nm, <1 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm | | 17,50 | 20,75 |
| APCD-780-01-C3, 780 nm, <3 mW, Iop <35 mA, fixfocus, Ø4.0 x 9.1 mm | | 17,50 | 20,75 |

| APCD 06 series \| INFRARED \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Compact Size Ø 6.5 mm x 9.0 mm Aryl Body**

\| APC Driver integrated
\| Fixfocus Embedded Lens
\| 3 VDC Supply Voltage

**780 nm**

| | | | |
|---|---|---|---|
| APCD-780-06-C2, 780 nm, <1 mW, Iop <35 mA, fixfocus, Ø6.5 x 9.0 mm | | 15,00 | 17,79 |
| APCD-780-06-C3, 780 nm, <3 mW, Iop <35 mA, fixfocus, Ø6.5 x 9.0 mm | | 15,00 | 17,79 |

| APCD 07 series \| INFRARED \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body**

\| APC Driver integrated
\| Fixfocus Acryl Lens
\| 3 VDC Supply Voltage

**780 nm**

| | | | |
|---|---|---|---|
| APCD-780-07-C2, 780 nm, <1 mW, Iop <35 mA, fixfocus, Ø3.3 x 8.0 mm | | 17,50 | 20,75 |
| APCD-780-07-C3, 780 nm, <3 mW, Iop <35 mA, fixfocus, Ø3.3 x 8.0 mm | | 17,50 | 20,75 |

| LDM780-03 \| INFRARED \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

LDM780-03-11x30 low cost infrared laser diode module for general purpose

780 nm

| | | | |
|---|---|---|---|
| LDM780-03-11X20, 780 nm, 3 mW, 3.0 VDC, Ø11 x 20 mm | | 7,95 | 9,43 |

| RLD series \| INFRARED \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser diode module series
focusable glass lens
**- up to 4000 mW**

**780 nm**

| | | | |
|---|---|---|---|
| RLDC780-2-3-LI, 780 nm, 2 mW, SM, focusable, glass optic, 3 VDC, wires only, Ø14 x 43 mm | | 24,00 | 28,46 |
| RLDB780-30-3, 780 nm, 30 mW, focusable, glass optic, 3 VDC, Ø16 x 48 mm | | 63,00 | 74,72 |

# LASER MODULES - 808 nm

| CW series \| INFRARED \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW808-005, 808 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 26,19 | 31,06 |
| CW808-010, 808 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 26,19 | 31,06 |
| CW808-050, 808 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 41,90 | 49,69 |
| CW808-100, 808 nm, 100 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 52,40 | 62,14 |

| LDM808/3LJ \| INFRARED \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**LJ** series laser diode module
complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelengths available

808 nm

| | | | |
|---|---|---|---|
| LDM808/3LJ, 808 nm, 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm | | 26,70 | 31,67 |

| RLD series \| INFRARED \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser diode module series
focusable glass lens
**- up to 4000 mW**

**808 nm**

| | | | |
|---|---|---|---|
| RLDB808-120-3, 808 nm, 120 mW, focusable, 3 VDC, Ø22 x 65 mm | | 35,00 | 41,51 |
| RLDH808-120-3, 808 nm, 120 mW, focusable, 3 VDC, with connector, Ø22 x 65 mm | | 39,00 | 46,25 |
| RLDB808-150-3, 808 nm, 150 mW, focusable, 3 VDC, Ø22 x 65 mm | | 68,00 | 80,65 |
| RLDB808-200-3, 808 nm, 200 mW, focusable, 3 VDC, with connector, Ø22 x 65 mm | | 72,00 | 85,39 |
| RLDB808-200-3-LI, 808 nm, 200 mW, focusable 3 VDC, wires only, Ø22 x 65 mm | | 72,00 | 85,39 |
| RLDB808-300-3, 808 nm, 300 mW, focusable, 3 VDC, Ø22 x 65 mm | | 78,00 | 92,50 |
| RLDB808-350-3, 808 nm, 350 mW, focusable, 3 VDC, Ø22 x 65 mm | | 82,00 | 97,25 |
| RLDB808-500-5, 808 nm, 500 mW, focusable, 5 VDC, Ø45 x 120 mm | | 88,00 | 104,36 |
| RLDH808-1200-5, 808 nm, 1.2 W, focusable, 5 VDC, 444 g, Ø45 x 100 mm | | 277,40 | 328,98 |
| RLDH808-4000-5, 808 nm, 4.0 W, focusable, 5 VDC, 1.2 kg, 60 x 110 mm | | 990,00 | 1.174,10 |
| **Modulable** | | | |
| RLDH808M-120-5, 808 nm, 120 mW, APC, TTL <5 kHz, focusable, 5 VDC, Ø22 x 65 mm | | 48,00 | 56,93 |
| RLDH808M-350-5, 808 nm, 350 mW, APC, TTL <5 kHz, focusable, 5 VDC, Ø22 x 65 mm | | 74,00 | 87,76 |

# LASER MODULES - 808 nm LINE

| RLLH808-350-3 \| INFRARED \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Infrared line laser module
- APC (automatic power control)
- **90° line**, cylinder lens
- **350 mW**

808 nm

| | | | |
|---|---|---|---|
| RLLH808-350-3, 808 nm, 350 mW, APC, line, fixed focus, 3 VDC, Ø22 x 70 mm | | 76,00 | 90,13 |

# LASER MODULES - 830 nm

| CW series \| INFRARED \| 830 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW830-005, 830 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 20,90 | 24,79 |
| CW830-010, 830 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 24,10 | 28,58 |
| CW830-020, 830 nm, 20 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 33,30 | 39,49 |

| RLD series \| INFRARED \| 830 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser diode module series
focusable glass lens
**- up to 120 mW**

**830 nm**

| | | | |
|---|---|---|---|
| RLDH830-3-3, 830 nm, 3 mW, focusable, ARC glass collimator, 3 VDC, connector plug, Ø12 x 34.5 mm | | 22,00 | 26,09 |
| RLDH830-3-3-LI, 830 nm, 3 mW, focusable, ARC glass collimator, 3 VDC, wires only, Ø12 x 34.5 mm | | 22,00 | 26,09 |
| RLDH830-30-3, 830 nm, 30 mW, focusable, ARC glass collimator, 3 VDC, Ø14 x 43 mm | | 35,00 | 41,51 |
| RLDH830-120-3, 830 nm, 120 mW, focusable, ARC glass collimator, 3 VDC, Ø22 x 65 mm | | 96,80 | 114,80 |

| LM-102-H002 \| INFRARED \| 830 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

low cost, infrared laser diode module, focusable,
output power typ. < 3 mW

830 nm

| | | | |
|---|---|---|---|
| LM-102-H002, 830 nm, <3 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm | | o.r. | o.r. |

# LASER MODULES - 830 nm LINE

| RLLH830-30-3 \| INFRARED \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Infrared line laser modules
- APC (automatic power control)
- **90° line**, cylinder lens
- **30 mW**

830 nm

| | | | |
|---|---|---|---|
| RLLH830-30-3, 830 nm, 30 mW, APC, line, fixed focus, 3 VDC, Ø14 x 45 mm | | 79,00 | 93,69 |

# LASER MODULES - 850 nm

| CW series \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW850-005, 850 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 26,20 | 31,07 |
| CW850-010, 850 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 31,40 | 37,24 |
| CW850-020, 850 nm, 20 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 44,00 | 52,18 |

| APCD 01 series \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Compact Size Ø 4.0 mm x 9.1 mm Brass Body**

| APC Driver integrated
| Fixfocus Acryl Lens
| 3 VDC Supply Voltage

| | | | |
|---|---|---|---|
| APCD-850-01-C2, 850 nm, <1 mW, Iop <40 mA, fixfocus, Ø4.0 x 9.1 mm | | 39,90 | 47,32 |
| APCD-850-01-C3, 850 nm, <3 mW, Iop <40 mA, fixfocus, Ø4.0 x 9.1 mm | | 39,90 | 47,32 |

| APCD 06 series \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Compact Size Ø 6.5 mm x 9.0 mm Aryl Body**

| APC Driver integrated
| Fixfocus Embedded Lens
| 3 VDC Supply Voltage

**850 nm**

| | | | |
|---|---|---|---|
| APCD-850-06-C2, 850 nm, <1 mW, Iop <40 mA, fixfocus, Ø6.5 x 9.0 mm | | 26,10 | 30,95 |
| APCD-850-06-C3, 850 nm, <3 mW, Iop <40 mA, fixfocus, Ø6.5 x 9.0 mm | | 26,10 | 30,95 |

| APCD 07 series \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**ULTRA Compact Size Ø 3.3 mm x 8.0 mm Brass Body**

| APC Driver integrated
| Fixfocus Acryl Lens
| 3 VDC Supply Voltage

**850 nm**

| | | | |
|---|---|---|---|
| APCD-850-07-C2, 850 nm, <1 mW, Iop <40 mA, fixfocus, Ø3.3 x 8.0 mm | | 19,80 | 23,48 |
| APCD-850-07-C3, 850 nm, <3 mW, Iop <40 mA, fixfocus, Ø3.3 x 8.0 mm | | 19,80 | 23,48 |

| LDM850/3LJ \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**LJ** series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelengths available

850 nm

| | | | |
|---|---|---|---|
| LDM850/3LJ, 850 nm, 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm | | 39,28 | 46,58 |

| LDM850/5LT \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Automatic Power Control (APC)**
**Focusable 3 Element Glass Lens**
**Excellent Beam Quality**
**Modulation Option available**

**850 nm**

| | | | |
|---|---|---|---|
| LDM850/5LT, 850 nm, 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 39,90 | 47,32 |

| RLDC850-2-3-LI \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**very small size 8 x 27.5 mm**
- focusable glass collimator
- power supply 3 VDC

850 nm

| | | | |
|---|---|---|---|
| RLDC850-2-3, 850 nm, typ. 2 mW, focusable, 3 VDC, Ø8 x 27.5 mm, connector | | 30,00 | 35,58 |

| RLD series \| INFRARED \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser diode module series
focusable glass lens
**- up to 4000 mW**

**850 nm**

| | | | |
|---|---|---|---|
| DT850-30-3, 850 nm, 30 mW, focusable, 3 VDC, Ø12 x 34.5 mm | | 109,60 | 129,98 |
| RLDH850-40-3, 850 nm, 40 mW, APC, focusable, 3 VDC, Ø22 x65 mm | | 96,00 | 113,85 |
| **Modulable** | | | |
| RLDH850M-40-5, 850 nm, 40 mW, APC, TTL <10 kHz, focusable, 5 VDC, Ø22 x 65 mm | | 108,00 | 128,08 |

# LASER MODULES - 880 nm

| CW series \| INFRARED \| 880 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW880-005, 880 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 49,60 | 58,82 |

| LM-10 series \| INFRARED \| 880 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

low cost, infrared laser diode module, focusable,
output power typ. < 3 mW up to < 26 mW

880 nm

| | | | |
|---|---|---|---|
| LM-104-E002, 880 nm, <3 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm | | 44,90 | 53,25 |
| LM-104-E130, 880 nm, <6 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm | | 44,90 | 53,25 |

# LASER MODULES - 905 nm

| CW series \| INFRARED \| 905 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW905-005, 905 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 98,60 | 116,94 |
| CW905-010, 905 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 111,40 | 132,12 |
| CW905-050, 905 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 137,10 | 162,59 |

# LASER MODULES - 940 nm

| CW series \| INFRARED \| 940 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW940-005, 940 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 83,20 | 98,67 |
| CW940-010, 940 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 93,90 | 111,36 |
| CW940-030, 940 nm, 30 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 108,60 | 128,80 |

# LASER MODULES - 980 nm

| CW series \| INFRARED \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Diode laser modules

**Automatic Power Control (APC)**
**Cinch Connector**
**Focusable**
**Power Supply + Holder available**

| | | | |
|---|---|---|---|
| CW980-005, 980 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 23,80 | 28,23 |
| CW980-010, 980 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 28,60 | 33,92 |
| CW980-050, 980 nm, 50 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 34,30 | 40,68 |
| CW980-100, 980 nm, 100 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 46,70 | 55,38 |

| RLD series \| INFRARED \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser diode module series
focusable glass lens
**- up to 200 mW**

**980 nm**

| | | | |
|---|---|---|---|
| RLDH980-70-3, 980 nm, 70 mW, focusable, 3 VDC, Ø22 x 65 mm | | 58,00 | 68,79 |
| RLDB980-120-3, 980 nm, 120 mW, focusable, 3 VDC, with connector, Ø22 x 65 mm | | 62,00 | 73,53 |
| RLDB980-120-3-LI, 980 nm, 120 mW, focusable, 3 VDC, wires only, Ø22 x 65 mm | | 62,00 | 73,53 |
| RLDH980-120-3, 980 nm, 120 mW, focusable, 3 VDC, Ø22 x 65 mm | | 62,00 | 73,53 |
| RLDH980-160-3, 980 nm, 160 mW, focusable, 3 VDC, Ø22 x 65 mm | | 66,00 | 78,27 |
| RLDH980-200-3, 980 nm, 200 mW, focusable, 3 VDC, Ø22 x 65 mm | | 68,00 | 80,65 |

| C2021 series \| INFRARED \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser diode module series
for general purposes

980 nm

| | | | |
|---|---|---|---|
| C2021-B1, 980 nm, 10..20 mW, focusable, 3 VDC, wires only, Ø10.5 x 20 mm | | 54,54 | 64,68 |
| C2021-C1, 980 nm, 20..35 mW, focusable, 3 VDC, wires only, Ø10.5 x 20 mm | | 66,66 | 79,06 |

| LDM980/25LT \| INFRARED \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Automatic Power Control (APC)**
**Focusable 3 Element Glass Lens**
**Excellent Beam Quality**
**Modulation Option available**

**980 nm**

| | | | |
|---|---|---|---|
| LDM980/25LT, 980 nm, 25 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm | | 51,90 | 61,55 |

| LM-106-G130 \| INFRARED \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

low cost, infrared laser diode module, focusable

980 nm

| | | | |
|---|---|---|---|
| LM-106-G130, 980 nm, <26 mW, focusable, 3.0 VDC, Ø9.8 x 26 mm | | 19,90 | 23,60 |

# LASER MODULES - 1064 nm

| CW series \| INFRARED \| 1064 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

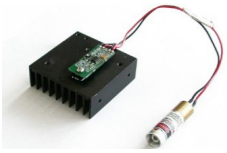
INFRARED Diode pumped solid state (DPSS) laser modules

**Automatic Power Control (APC)**
**Power Supply + Holder available**

1064 nm

| | | | |
|---|---|---|---|
| CW1064-01, 1064 nm, <1 mW, cw, APC, 0.8 mrad 3.0 VDC, Ø12 x 31 (49) mm | | 124,90 | 148,13 |
| CW1064-05, 1064 nm, <5 mW, cw, APC, 0.8 mrad 3.0 VDC, Ø12 x 31 (49) mm | | 124,90 | 148,13 |

| CW1064H series \| INFRARED \| 1064 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| INFRARED DPSS laser modules<br>**Automatic Power Control (APC)**<br>**3 VDC**<br>**Heat Sink recommended**<br>**TTL modulation available**<br>1064 nm | | | |
| CW1064H-100, 1064 nm, 100 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 379,00 | 449,48 |
| CW1064H-300, 1064 nm, 300 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 482,00 | 571,63 |
| CW1064H-500, 1064 nm, 500 mW, 1.5 mrad, cw, Ø26 x 100 mm, 3.0 VDC | | 608,00 | 721,06 |
| **Heat Sink** | | | |
| CWH-HSTEC5, Heat sink for CW-H series, TEC control, 100x62x76mm, 5VDC | | 152,00 | 180,27 |

| PIL-VI series \| INFRARED \| 1064 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  solid state cw infrared laser modules, 5 VDC<br>separate driver unit<br>**cooling neccessary!**<br>**--> heat sink available** | | | |
| PIL-VI-1064-1, DPSS, 1064 nm, 1 mW, cw, 5 VDC, Ø12 x 40 mm | | 271,43 | 321,90 |
| PIL-VI-1064-3, DPSS, 1064 nm, 3 mW, cw, 5 VDC, Ø12 x 40 mm | | 314,29 | 372,73 |
| PIL-VI-1064-5, DPSS, 1064 nm, 5 mW, cw, 5 VDC, Ø12 x 40 mm | | 314,29 | 372,73 |
| PIL-VI-1064-10, DPSS, 1064 nm, 10 mW, cw, 5 VDC, Ø12 x 40 mm | | 342,86 | 406,62 |
| PIL-VI-1064-20, DPSS, 1064 nm, 20 mW, cw, 5 VDC, Ø12 x 40 mm | | 371,43 | 440,50 |
| PIL-VI-1064-50, DPSS, 1064 nm, 50 mW, cw, 5 VDC, Ø12 x 40 mm | | 616,00 | 730,55 |
| PIL-VI-1064-100, DPSS, 1064 nm, 100 mW, cw, 5 VDC, Ø12 x 40 mm | | 471,43 | 559,10 |
| PIL-VI-1064-200, DPSS, 1064 nm, 200 mW, cw, 5 VDC, Ø12 x 40 mm | | 523,81 | 621,22 |
| PIL-VI-1064-300, DPSS, 1064 nm, 300 mW, cw, 5 VDC, Ø12 x 40 mm | | 482,00 | 571,63 |

# LASER MODULES - 1083 nm

| CW series \| INFRARED \| 1083 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| INFRARED Diode pumped solid state (DPSS) laser modules<br>**Automatic Power Control (APC)**<br>**Power Supply + Holder available**<br>1083 nm | | | |
| CW1083-01, 1083 nm, <1 mW, cw, APC, 0.8 mrad, 3.0 VDC, Ø12 x 31 (49) mm | | 124,90 | 148,13 |
| CW1083-05, 1083 nm, <5 mW, cw, APC, 0.8 mrad, 3.0 VDC, Ø12 x 31 (49) mm | | 124,90 | 148,13 |

# LASER MODULES - 1310 nm

| CW series \| INFRARED \| 1310 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| Diode laser modules<br>**Automatic Power Control (APC)**<br>**Cinch Connector**<br>**Focusable**<br>**Power Supply + Holder available** | | | |
| CW1310-005, 1310 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 77,10 | 91,44 |
| CW1310-010, 1310 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 84,70 | 100,45 |

# LASER MODULES - 1550 nm

| CW series \| INFRARED \| 1550 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| Diode laser modules<br>**Automatic Power Control (APC)**<br>**Cinch Connector**<br>**Focusable**<br>**Power Supply + Holder available** | | | |
| CW1550-005, 1550 nm, <5 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 77,10 | 91,44 |
| CW1550-010, 1550 nm, 10 mW, cw, focusable, APC, 2.7-4.2 VDC, Ø12 x 37 mm | NEW | 84,70 | 100,45 |

# LASER MODULES - PC CONTROLLED

| RLLM series \| 405 - 845 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

PC controlled laser modules, USB 2.0, incl. software

- CW mode and modulation (up to 50 kHz)
- optional: detachable line generator (10 up to 90 °)

405 - 845 nm

| | | |
|---|---|---|
| **405 nm** | | |
| RLLM-405PC-1, 405 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-405PC-5, 405 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 534,00 | 633,30 |
| RLLM-405PC-10, 405 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 582,30 | 690,58 |
| RLLM-405PC-30, 405 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 645,80 | 765,89 |
| RLLM-405PC-50, 405 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| RLLM-405PC-80, 405 nm, 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 904,05 | 1.072,17 |
| **445 nm** | | |
| RLLM-445PC-1, 445 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-445PC-5, 445 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 534,00 | 633,30 |
| RLLM-445PC-10, 445 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 582,30 | 690,58 |
| RLLM-445PC-30, 445 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 645,80 | 765,89 |
| RLLM-445PC-50, 445 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |

| | | |
|---|---|---|
| **447 nm** | | |
| RLLM-447PC-1, 447 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-447PC-5, 447 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 534,00 | 633,30 |
| RLLM-447PC-10, 447 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 582,30 | 690,58 |
| RLLM-447PC-30, 447 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 645,80 | 765,89 |
| RLLM-447PC-50, 447 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| RLLM-447PC-80, 447 nm, 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 904,10 | 1.072,22 |
| **450 nm** | | |
| RLLM-450PC-1, 450 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-450PC-5, 450 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 534,00 | 633,30 |
| RLLM-450PC-10, 450 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 582,30 | 690,58 |
| RLLM-450PC-30, 450 nm, 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 645,80 | 765,89 |
| RLLM-450PC-50, 450 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| RLLM-450PC-80, 450 nm, 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 904,10 | 1.072,22 |
| **520 nm** | | |
| RLLM-520PC-1, 520 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-520PC-5, 520 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 683,20 | 810,25 |
| RLLM-520PC-10, 520 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 721,00 | 855,08 |
| RLLM-520PC-20, 520 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| RLLM-520PC-50, 520 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 904,05 | 1.072,17 |
| **635 nm** | | |
| RLLM-635PC-1, 635 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 387,50 | 459,56 |
| RLLM-635PC-5, 635 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 392,20 | 465,13 |
| RLLM-635PC-10, 635 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-635PC-20, 635 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 578,30 | 685,84 |
| **637 nm** | | |
| RLLM-637PC-1, 637 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 387,50 | 459,56 |
| RLLM-637PC-5, 637 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 392,20 | 465,13 |
| RLLM-637PC-10, 637 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 425,60 | 504,74 |
| RLLM-637PC-20, 637 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-637PC-50, 637 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| **640 nm** | | |
| RLLM-640PC-1, 640 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 387,50 | 459,56 |
| RLLM-640PC-5, 640 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 392,20 | 465,13 |
| RLLM-640PC-10, 640 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 425,60 | 504,74 |
| RLLM-640PC-20, 640 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 516,60 | 612,67 |
| RLLM-640PC-50, 640 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| **685 nm** | | |
| RLLM-685PC-1, 685 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 645,75 | 765,83 |
| RLLM-685PC-5, 685 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 774,90 | 919,00 |
| RLLM-685PC-10, 685 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 802,80 | 952,09 |
| RLLM-685PC-20, 685 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 904,05 | 1.072,17 |
| RLLM-685PC-50, 685 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 1.162,35 | 1.378,50 |
| **845 nm** | | |
| RLLM-845PC-1, 845 nm, 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 645,75 | 765,83 |
| RLLM-845PC-5, 845 nm, 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 802,80 | 952,09 |
| RLLM-845PC-10, 845 nm, 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 862,00 | 1.022,30 |
| RLLM-845PC-20, 845 nm, 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 904,10 | 1.072,22 |
| RLLM-845PC-50, 845 nm, 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm | 1.162,40 | 1.378,56 |
| **Powell line generator lens attachment** | | |
| RLLM-PL10, detachable Powell Lens, 10° | 179,00 | 212,29 |
| RLLM-PL15, detachable Powell Lens, 15° | 179,00 | 212,29 |
| RLLM-PL30, detachable Powell Lens, 30° | 179,00 | 212,29 |
| RLLM-PL45, detachable Powell Lens, 45° | 179,00 | 212,29 |
| RLLM-PL50, detachable Powell Lens, 50° | 179,00 | 212,29 |
| RLLM-PL60, detachable Powell Lens, 60° | 179,00 | 212,29 |
| RLLM-PL75, detachable Powell Lens, 75° | 179,00 | 212,29 |
| RLLM-PL90, detachable Powell Lens, 90° | 179,00 | 212,29 |

# ACCESSORIES FOR LASER MODULES

| **SQ50x34 Heat Sink** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| Heat sink for laser modules<br>suitable for all Ø12 mm laser modules,<br>like CW405, C450 or CW532 series<br>Dimensions: 50 x 50 x 34 mm | | | |
| SQ50X34, heat sink for CW Ø 12mm series, black aluminium, 114 g, 50 x 50 x 34 mm | | 18,90 | 22,41 |
| SQFAN12, Fan for heat sink SQ50x34, 12VDC, 0.7W, 40x40x10.5mm | | 9,70 | 11,50 |

| RLM Laser Module Holder | Status | EUR / pc | USD / pc |
|---|---|---|---|

Height, reach, and tilt adjusatble laser module holder with full 360° turnable fixture

suitable for laser modules up to 16.5 mm in diameter

| | | | |
|---|---|---|---|
| RLM-1250, Laser Module Holder, Ø <12.5 mm, 69 x 67 mm, 152 g | | 58,90 | 69,85 |
| RLM-1650, Laser Module Holder, Ø <16.5 mm, 69 x 67 mm, 152 g | | 58,90 | 69,85 |

| LPS Power Supplies | Status | EUR / pc | USD / pc |
|---|---|---|---|

100-240 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 0.5 m supply line

- CE marking
- AC Europlug (CEE 7/16)
- IEC 60130-10 Type A connector

| | | | |
|---|---|---|---|
| LPS31C, Laser Power Supply, Input 100-240 VAC, Output 3.0 VDC, max. 1 A, 30x80x75 mm, 80g | | 19,90 | 23,60 |
| LPS51C, Laser Power Supply, Input 100-240 VAC, Output 5.0 VDC, max. 1 A, 30x80x75 mm, 80g | | 19,90 | 23,60 |

110-230 VAC universal power supplies for 3 VDC and 5 VDC laser modules with 1 m supply line and ON / OFF switch

- Small ripple (<80 mV)
- AC Europlug (CEE 7/16)
- IEC 60130-10 Type A connector

| | | | |
|---|---|---|---|
| LPS51, Laser Power Supply, Input 110-230 VAC, Output 5.0 VDC, max. 1 A, 33x62x105 mm | | 29,90 | 35,46 |

# LASER SYSTEMS UV - 261 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-261 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-261-1-10, 261 nm, 1 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-261-3-10, 261 nm, 2 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-261-5-10, 261 nm, 5 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-261-10-10, 261 nm, 10 mW, cw, <10%, stability, PSU-LED | | o.r | o.r |

# LASER SYSTEMS UV - 266 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMPL-266 series \| DPSS \| PASSIVELY Q-SWITCHED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMPL-266-5-5, 266 nm, 5 mW, / 1 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-10-5, 266 nm, 10 mW, / 2 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-30-5, 266 nm, 30 mW, / 3 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-50-5, 266 nm, 50 mW, / 5 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-100-5, 266 nm, 100 mW, / 10 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-200-5, 266 nm, 200 mW, / 10 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-400-5, 266 nm, 400 mW, / 20 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |
| RLTMPL-266-600-5, 266 nm, 600 mW, / 30 µJ, ~10 ns pulse, PSU-FDA | | o.r | o.r |

| RLTAOL-266 series \| DPSS \| AOM Q-SWITCHED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTAOL-266-10-10, 266 nm, 10 mW, @ 10 kHz, 3 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-266-30-10, 266 nm, 30 mW, @ 10 kHz, 3 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-266-50-10, 266 nm, 50 mW, @ 10 kHz, 5 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-266-100-10, 266 nm, 100 mW, @ 10 kHz, 10 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-266-200-10, 266 nm, 200 mW, @ 10 kHz, 20 µJ, 10-15 ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 303 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-303 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-303-1-10, 303 nm, 1 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-303-3-10, 303 nm, 3 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-303-5-10, 303 nm, 5 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-303-10-10, 303 nm, 10 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-303-15-10, 303 nm, 15 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-303-20-10, 303 nm, 20 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 320 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-320 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-320-3-10, 320 nm, 3 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-320-5-10, 320 nm, 5 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-320-10-10, 320 nm, 10 mW, cw, <10% stability, PSU-LED | | o.r | o.r |
| RLTUVL-320-15-10, 320 nm, 15 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-320-20-10, 320 nm, 20 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-320-30-10, 320 nm, 30 mW, cw, <10%, stability, laser head 209x88x74 mm, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 349 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-349 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-349-3-10, 349 nm, 3 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-349-5-10, 349 nm, 5 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-349-10-10, 349 nm, 10 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-349-15-10, 349 nm, 15 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-349-20-10, 349 nm, 20 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA | | o.r | o.r |
| RLTUVL-349-30-10, 349 nm, 30 mW, cw, <10%, stability, laser head 211x88x74 mm, PSU-FDA | | o.r | o.r |
| **RLTMPL-349 series \| DPSS \| PASSIVELY Q-SWITCHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMPL-349-5-10, 349 nm, 5 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-349-10-10, 349 nm, 10 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-349-20-10, 349 nm, 20 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-349-30-10, 349 nm, 30 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 351 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| Pulsed operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMPL-351 series \| DPSS \| PASSIVELY Q-SWITCHED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMPL-351-1-10, 351 nm, 1 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-351-5-10, 351 nm, 5 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-351-10-10, 351 nm, 10 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-351-20-10, 351 nm, 20 mW, , 2-3 kHz, ~4ns pulse, <10%, stability, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 355 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-355 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-355-1-10, 355 nm, 1 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-355-5-10, 355 nm, 5 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-355-10-10, 355 nm, 10 mW, cw, <10%, stability, PSU-FDA | | o.r | o.r |
| RLTUVL-355-15-10, 355 nm, 15 mW, cw, <10%, stability, PSU-LED | | o.r | o.r |
| **RLTMPL-355 series \| DPSS \| PASSIVELY Q-SWITCHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMPL-355-10-5, 355 nm, 10 mW, / 1 µJ, ~5 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-355-30-5, 355 nm, 30 mW, / 4 µJ, ~5 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-355-50-5, 355 nm, 50 mW, / 5 µJ, ~5 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-355-100-5, 355 nm, 100 mW, 10 µJ, ~5 ns pulse, <5% stability, PSU-FDA | | o.r | o.r |
| RLTMPL-355-200-5, 355 nm, 200 mW, / 15 µJ, ~7 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-355-300-5, 355 nm, 200 mW, / 30 µJ, ~7 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-355-500-5, 355 nm, 500 mW, / 50 µJ, ~7 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| **RLTAOM-355 series \| DPSS \| AOM Q-SWITCHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTAOM-355-10-5, 355 nm, 10 mW, @ 1 kHz, 10 µJ, 5-10 ns pulse, <5%, stability, PSU-AOM | | o.r | o.r |
| RLTAOM-355-20-5, 355 nm, 20 mW, @ 1 kHz, 30 µJ, 5-10ns pulse, <5%, stability, PSU-AOM | | o.r | o.r |
| RLTAOM-355-40-5, 355 nm, 40 mW, @ 1 kHz, 40 µJ, 5-10 ns pulse, <5%, stability, PSU-AOM | | o.r | o.r |
| RLTAOM-355-1W-5, 355 nm, 1 W @ 20 kHz, 50 µJ, ~15 ns pulse, <5%, stability, PSU-AOM | | o.r | o.r |
| RLTAOM-355-2W-5, 355 nm, 2 W, @ 20 kHz, 100 µJ, ~15 ns pulse, <5%, stability, PSU-AOM | | o.r | o.r |
| RLTAOM-355-3W-5, 355 nm, 3 W, @ 20 kHz, 150 µJ, ~15 ns pulse, <5%, stability, PSU-AOM | | o.r | o.r |

# LASER SYSTEMS UV - 360 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-360 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-360-10-3, 360 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-360-30-3, 360 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-360-50-3, 360 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-360-100-3, 360 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-360-150-3, 360 nm, 150 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-360-200-3, 360 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 375 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-375 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-375-30-3, 375 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-375-50-3, 375 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-375-100-3, 375 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-375-150-3, 375 nm, 150 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS UV - 395 / 397 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTUVL-395 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTUVL-395-20-3, 395 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-395-50-3, 395 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-395-80-3, 395 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-395-100-3, 395 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTUVL-397 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTUVL-397-20-3, 397 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-397-50-3, 397 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-397-80-3, 397 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTUVL-397-100-3, 397 nm, 150 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS VIOLET - 400 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMDL-400 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-400-50-3, 400 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-400-100-3, 400 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-400-200-3, 400 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-400-300-3, 400 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-400-500-3, 400 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS VIOLET - 405 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, singel longitudinal mode, remote control

## 405 nm

| RLTMDL-405 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-405-10-3, 405 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-405-50-3, 405 nm, 50 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-405-100-3, 405 nm, 100 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-405-200-3, 405 nm, 200 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-405-300-3, 405 nm, 300 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-405-400-3, 405 nm, 400 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-405-500-3, 405 nm, 500 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| **RLTMLL-405 series \| DIODE \| CW \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMLL-405-10-3, 405 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-405-50-3, 405 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-405-100-3, 405 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-405-200-3, 405 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-405-300-3, 405 nm, 300 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMLL-405-400-3, 405 nm, 400 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-405-500-3, 405 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS VIOLET - 410 / 415 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMDL-410 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-410-50-3, 410 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-410-100-3, 410 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-410-200-3, 410 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-410-300-3, 410 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-410-500-3, 410 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-415 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-415-50-3, 415 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-415-100-3, 415 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-415-200-3, 415 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-415-300-3, 415 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-415-500-3, 415 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS BLUE - 442 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMDL-442 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-442-10-3, 442 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-442-30-3, 442 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-442-50-3, 442 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-442-80-3, 442 nm, 80 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMLL-442 series \| DIODE \| CW \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMLL-442-10-3, 442 nm, 10 mW, cw, stability <3%, laser head 141x46x73 mm | | o.r | o.r |
| RLTMLL-442-30-3, 442 nm, 30 mW, cw, stability <3%, laser head 141x46x73 mm | | o.r | o.r |
| RLTMLL-442-50-3, 442 nm, 50 mW, cw, stability <3%, laser head 141x46x73 mm | | o.r | o.r |

# LASER SYSTEMS BLUE - 445/447/450 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**445/447/450 nm**

| RLTMDL-445 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-445L-10-3, 445 nm, 10 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-445L-20-3, 445 nm, 20 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-445L-30-3, 445 nm, 30 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-445L-50-3, 445 nm, 50 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-445-50-3, 445 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-445L-80-3, 445 nm, 80 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-445-100-3, 445 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-445-500-3, 445 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-445-1W-3, 445 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-445-1W5-3, 445 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-445-2W-3, 445 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-445-3W5-3, 445 nm, 3.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

| RLTMDL-447 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-447L-10-3, 447 nm, 10 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-447L-20-3, 447 nm, 20 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-447L-30-3, 447 nm, 30 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-447L-50-3, 447 nm, 50 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-447-50-3, 447 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-447L-80-3, 447 nm, 80 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-447-100-3, 447 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-447-500-3, 447 nm, 500 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-447-1W-3, 447 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-447-1W5-3, 447 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-447-2W-3, 447 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-447-3W5-3, 447 nm, 3.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-450 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-450L-10-3, 450 nm, 10 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-450L-20-3, 450 nm, 20 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-450L-30-3, 450 nm, 30 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-450L-50-3, 450 nm, 50 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-450-50-3, 450 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-450L-80-3, 450 nm, 80 mW, cw, stability <3%, near TEM00, PSU-FDA | | o.r | o.r |
| RLTMDL-450-100-3, 450 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-450-500-3, 450 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-450-1W-3, 450 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-450-1W5-3, 450 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-450-2W-3, 450 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-450-3W5-3, 450 nm, 3.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS BLUE - 454 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMDL-454 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-454-50-3, 454 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-454-100-3, 454 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-454-300-3, 454 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-454-500-3, 454 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-454-800-3, 454 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS BLUE - 457 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 457 nm

| RLTMBL-457 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMBL-457-10-5, 457 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-50-5, 457 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-100-5, 457 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-300-5, 457 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-500-5, 457 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-1W-5, 457 nm, 1000 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-2W-5, 457 nm, 2000 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-3W-5, 457 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-5W-5, 457 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-457-10W-5, 457 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

| RLTMLL-457 series \| DPSS \| CW \| LOW NOISE | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMLL-457-10-3, 457 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-50-3, 457 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-100-3, 457 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-300-3, 457 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-500-3, 457 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-1W-3, 457 nm, 1000 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-2W-3, 457 nm, 2000 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-3W-3, 457 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-5W-3, 457 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-457-10W-3, 457 nm, 10 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS BLUE - 460/462/465 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

| RLTMDL-460 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-460L-30-3, 460 nm, 30 mW, cw, stability <3%, PSU-FDA, near TEM00 beam profile | | o.r | o.r |
| RLTMDL-460L-50-3, 460 nm, 50 mW, cw, stability <3%, PSU-FDA, near TEM00 beam profile | | o.r | o.r |
| RLTMDL-460-50-3, 460 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-460L-80-3, 460 nm, 80 mW, cw, stability <3%, PSU-FDA, near TEM00 beam profile | | o.r | o.r |
| RLTMDL-460-100-3, 460 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-460-300-3, 460 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-460-500-3, 460 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-460-800-3, 460 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-462 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-462-50-3, 462 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-462-100-3, 462 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-462-300-3, 462 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-462-500-3, 462 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-462-1W-3, 462 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-462-2W-3, 462 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-465 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-465-50-3, 465 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-465-100-3, 465 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-465-300-3, 465 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-465-500-3, 465 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-465-1W-3, 465 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-465-2W-3, 465 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS BLUE - 473 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 473 nm

| RLTMBL-473 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMBL-473-50-3, 473 nm, 50 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMBL-473-100-3, 473 nm, 100 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMBL-473-200-3, 473 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-300-3, 473 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-500-3, 473 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-800-3, 473 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-1W-3, 473 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-1.5W-3, 473 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-2W-3, 473 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-3W-3, 473 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMBL-473-5W-3, 473 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMLL-473 series \| DPSS \| CW \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMLL-473-50-3, 473 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r. | o.r. |
| RLTMLL-473-100-3, 473 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r. | o.r. |
| RLTMLL-473-300-3, 473 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r. | o.r. |

| | | |
|---|---|---|
| RLTMLL-473-500-3, 473 nm, 500 mW, cw, stability <3%, PSU-FDA | o.r. | o.r. |

| RLTMSL-473 series \| DPSS \| CW \| SINGLE LONGITUDINAL MODE \| LOW NOISE | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMSL-473-10-3, 473 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMSL-473-30-3, 473 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMSL-473-50-3, 473 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMSL-473-100-3, 473 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS BLUE - 480 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 480 nm

| RLTMBL-480 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMBL-480-10-5, 480 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-480-20-5, 480 nm, 20 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-480-30-5, 480 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-480-50-5, 480 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-480-100-5, 480 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMBL-480-150-5, 480 nm, 150 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS CYAN - 488 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 488 nm

| RLTMDL-488 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-488-30-3, 488 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-488-50-3, 488 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-488-100-3, 488 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS CYAN - 491 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

## 491 nm

| RLTMBL-491 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMBL-491-1-10, 491 nm, 1 mW, cw, stability <10%, PSU-FDA | | o.r | o.r |
| RLTMBL-491-2-10, 491 nm, 2 mW, cw, stability <10%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS CYAN - 505 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

## 505 nm

| RLTMDL-505L series \| DIODE \| CW \| NEAR TEM00 | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-505L-10-2, 505 nm, 10 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-505L-30-2, 505 nm, 30 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-505L-50-2, 505 nm, 50 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-505L-80-2, 505 nm, 80 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 510/514.5 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 510/514.5 nm

| RLTMDL-510 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-510-10-3, 510 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-510-20-3, 510 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-510-30-3, 510 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-514 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-514-30-3, 514.5 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-514-50-3, 514.5 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 515 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 515 nm

| RLTMGL-515 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-515-10-10, 515 nm, 10 mW, cw, stability <10%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-30-10, 515 nm, 30 mW, cw, stability <10%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-50-10, 515 nm, 50 mW, cw, stability <10%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-100-10, 515 nm, 100 mW, cw, stability <10%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-150-5, 515 nm, 150 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-200-5, 515 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-300-5, 515 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-400-5, 515 nm, 400 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-515-500-5, 515 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 520 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 510/514.5 nm

| RLTMDL-520 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-520-100-3, 520 nm, 100 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-520-300-3, 520 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-520-500-3, 520 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-520-1W-3, 520 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 522 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 522 nm

| RLTMGL-522 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-522-10-5, 522 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-522-30-5, 522 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-522-50-5, 522 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-522-80-5, 522 nm, 80 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-522-100-5, 522 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 523.5 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 523.5 nm

| RLTMGL-523 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-523-10-5, 523.5 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-523-30-5, 523.5 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-523-50-5, 523.5 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-523-100-5, 523.5 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-523-300-5, 523.5 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-523-500-5, 523.5 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-523-800-5, 523.5 nm, 800 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 526 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 523.5 nm

| RLTMGL-526 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-526-10-5, 526.5 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-30-5, 526.5 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-50-5, 526.5 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-100-5, 526.5 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-200-5, 526.5 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-300-5, 526.5 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-500-5, 526.5 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-526-1W-5, 526.5 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 532 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 532 nm

| RLTMGL-532 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-532-100-3, 532 nm, 100 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMGL-532-200-3, 532 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-300-3, 532 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-500-3, 532 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-1W-3, 532 nm, 1 W, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMGL-532-1.5W-3, 532 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-2W-3, 532 nm, 2 W, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMGL-532-2.5W-3, 532 nm, 2.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-3W-3, 532 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-3W-5, 532 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-4W-5, 532 nm, 4 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-5W-5, 532 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-8W-5, 532 nm, 8 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-10W-5, 532 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-15W-5, 532 nm, 15 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-532-20W-5, 532 nm, 20 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

| RLTMLL-532 series \| DPSS \| CW \| LOW NOISE | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMLL-532-100-3, 532 nm, 100 mW, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-200-3, 532 nm, 200 mW, cw, stability <3%, noise <1%, PSU-LED | | o.r | o.r |
| RLTMLL-532-300-3, 532 nm, 300 mW, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-500-3, 532 nm, 500 mW, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-1W-3, 532 nm, 1 W, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-1.5W-3, 532 nm, 1.5 W, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-2W-3, 532 nm, 2 W, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-2.5W-3, 532 nm, 2.5 W, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-3W-5, 532 nm, 3 W, cw, stability <5%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-5W-5, 532 nm, 5 W, cw, stability <5%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-8W-5, 532 nm, 8 W, cw, stability <5%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-10W-5, 532 nm, 10 W, cw, stability <5%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-15W-5, 532 nm, 15 W, cw, stability <5%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-532-20W-5, 532 nm, 20 W, cw, stability <5%, noise <1%, PSU-FDA | | o.r | o.r |
| **RLTMSL-532 series \| DPSS \| CW \| SINGLE LONGITUDINAL MODE \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMSL-532-10-3, 532 nm, 10 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-532-50-3, 532 nm, 50 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-532-100-3, 532 nm, 100 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-532-200-3, 532 nm, 200 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-532-300-3, 532 nm, 300 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-532-500-3, 532 nm, 500 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-532-1W-3, 532 nm, 1000 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| **RLTMPL-532 series \| DPSS \| PASSIVELY Q-SWITCHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMPL-532-10-3, 532 nm, 10 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-20-3, 532 nm, 20 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-50-3, 532 nm, 50 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-100-3, 532 nm, 100 mW, avg., pulse length ~10ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-300-3, 532 nm, 300 mW, avg., pulse length ~5ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-500-3, 532 nm, 500 mW, avg., pulse length ~5ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-1W-3, 532 nm, 1 W, mW avg., pulse length ~5ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-2W-3, 532 nm, 2 W, mW avg., pulse length ~5ns, <3%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532-3W-3, 532 nm, 3 W, mW avg., pulse length ~5ns, <3%, stability, PSU-FDA | | o.r | o.r |
| **RLTMPL-532 series \| DPSS \| PASSIVELY Q-SWITCHED \| SHORT PULSE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMPL-532SP-3UJ-5, 532 nm, 3 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532SP-5UJ-5, 532 nm, 5 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532SP-10UJ-5, 532 nm, 10 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532SP-20UJ-5, 532 nm, 20 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTMPL-532SP-30UJ-5, 532 nm, 30 µJ, ~1.3 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| **RLTAOL-532 series \| DPSS \| AOM Q-SWITCHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTAOL-532-10-5, 532 nm, 10 mW, @ 1 kHz, 10µJ, 5-10 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-30-5, 532 nm, 30 mW, @ 1 kHz, 30µJ, 5-10 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-50-5, 532 nm, 50 mW, @ 1 kHz, 50µJ, 5-10 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-100-5, 532 nm, 100 mW, @ 10 kHz, 10µJ, 8-15 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-300-5, 532 nm, 300 mW, @ 10 kHz, 30 µJ, 8-15 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-500-5, 532 nm, 500 mW, @ 10 kHz, 50 µJ, 8-15 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-1W-5, 532 nm, 1 W, @ 10 kHz, 100 µJ, 5-30 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |
| RLTAOL-532-2W-5, 532 nm, 2 W, @ 10 kHz, 200 µJ, 5-30 ns pulse, <5%, stability, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 543 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW mode
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 543 nm

| RLTMGL-543 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-543-30-3, 543 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-543-50-3, 543 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-543-100-3, 543 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-543-200-3, 543 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-543-500-3, 543 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-543-1W-3, 543 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-543-1.5W-3, 543 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 556 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 556 nm

| RLTMGL-556 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-556-30-3, 556 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-50-3, 556 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-100-3, 556 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-200-3, 556 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-500-10, 556 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-1W-10, 556 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-2W-10, 556 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-556-2.5W-10, 556 nm, 2.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS GREEN - 561 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 561 nm

| RLTMGL-561 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-561-30-3, 561 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-50-3, 561 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-100-3, 561 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-200-3, 561 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-300-3, 561 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-500-3, 561 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-1W-3, 561 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMGL-561-2W-3, 561 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMLL-561 series \| DPSS \| CW \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMLL-561-30-3, 561 nm, 30 mW, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-561-50-3, 561 nm, 50 mW, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-561-100-3, 561 nm, 100 mW, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMLL-561-200-3, 561 nm, 200 mW, cw, stability <3%, noise <1%, PSU-LED | | o.r | o.r |

# LASER SYSTEMS YELLOW - 589/593.5 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 589/593.5 nm

| RLTMGL-589 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-589-10-5, 589 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-30-5, 589 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-50-5, 589 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-100-5, 589 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-200-5, 589 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-300-5, 589 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-400-5, 589 nm, 400 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-500-5, 589 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-1W-5, 589 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-2W-5, 589 nm, 2 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-3W-5, 589 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-589-4.5W-5, 589 nm, 4.5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

| RLTMGL-593 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMGL-593-10-5, 593.5 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-593-30-5, 593.5 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-593-50-5, 593.5 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-593-100-5, 593.5 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-593-200-5, 593.5 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-593-500-5, 593.5 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMGL-593-800-5, 593.5 nm, 800 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS ORANGE - 604 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 604 nm

| RLTMRL-604 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-604-10-5, 604 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-604-30-5, 604 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-604-50-5, 604 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-604-100-5, 604 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS ORANGE - 607 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 607 nm

| RLTMRL-607 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-607-30-5, 607 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-607-50-5, 607 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-607-100-5, 607 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-607-200-5, 607 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-607-300-5, 607 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-607-500-5, 607 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 633/635/637 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 633/635/637 nm

| RLTMDL-633 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-633-100-3, 633 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-633-200-3, 633 nm, 200 mW, cw, MM, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-633-300-3, 633 nm, 300 mW, cw, MM, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-633-500-3, 633 nm, 500 mW, cw, MM, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-635 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-635-300-3, 635 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-635-500-3, 635 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-635-1W-3, 635 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-635R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-635R-50-3, 635 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-635R-100-3, 635 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-635R-150-3, 635 nm, 150 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-637 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-637-100-3, 637 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-637-200-3, 637 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 639 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 639 nm

| RLTMRL-639 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-639-50-3, 639 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-639-100-3, 639 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-639-300-3, 639 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-639-500-3, 639 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-639-1W-3, 639 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 640 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 640 nm

| RLTMRL-640 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-640-100-3, 640 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-640-200-3, 640 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 655 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 655 nm

| RLTMDL-655 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-655-100-3, 655 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-655-500-3, 655 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-655-1W-3, 655 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-655R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-655R-50-3, 655 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-655R-100-3, 655 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-655R-200-3, 655 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 656.5 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 656.5 nm

| RLTMRL-656 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-656-10-5, 656.5 nm, 10 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-656-30-5, 656.5 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-656-50-5, 656.5 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-656-100-5, 660 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-656-200-5, 656 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-656-500-5, 660 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-656-1W-5, 660 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 660 nm DIODE

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 660 nm

| RLTMDL-660 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-660-100-3, 660 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-660-500-3, 660 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-660-1W-3, 660 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-660R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-660R-50-3, 660 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-660R-100-3, 660 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-660R-200-3, 660 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 660 nm DPSS

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 660 nm

| RLTMRL-660 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-660-30-5, 660 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-50-5, 660 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-100-5, 660 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-200-5, 660 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-300-5, 660 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-500-5, 660 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-1W-5, 660 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-660-2W-5, 660 nm, 2 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 671 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 671 nm

| RLTMRL-671 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-671-50-3, 671 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-100-3, 671 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-200-3, 671 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-500-3, 671 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-1W-3, 671 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-2W-5, 671 nm, 2 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-3W-5, 671 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-4W-5, 671 nm, 4 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-671-5W-5, 671 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| **RLTMLL-671 series \| DPSS \| CW \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMLL-671-100-3, 671 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-200-3, 671 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-500-3, 671 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-1W-3, 671 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-2W-5, 671 nm, 2 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-3W-5, 671 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-4W-5, 671 nm, 4 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMLL-671-5W-5, 671 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| **RLTMSL-671 series \| DPSS \| CW \| SINGLE LONGITUDINAL MODE \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMSL-671-30-3, 671 nm, 30 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-671-50-3, 671 nm, 50 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-671-300-3, 671 nm, 300 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-671-500-3, 671 nm, 500 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 680 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 680 nm

| RLTMDL-680 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-680-300-2, 680 nm, 300 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-680-500-2, 680 nm, 500 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-680-800-2, 680 nm, 800 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| **RLTMDL-680R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-680R-50-2, 680 nm, 50 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-680R-100-2, 680 nm, 100 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-680R-200-2, 680 nm, 200 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS RED - 685 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 685 nm

| RLTMDL-685 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-685-10-3, 685 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-685-20-3, 685 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 705 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, long coherence length, remote control

## 705 nm

| RLTMDL-705 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-705-10-3, 705 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-705-20-3, 705 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-705-25-3, 705 nm, 25 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 721 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 721 nm

| RLTMRL-721 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMRL-721-30-5, 721 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-721-50-5, 721 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-721-100-5, 721 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-721-300-5, 721 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-721-500-5, 721 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMRL-721-800-5, 721 nm, 800 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 730 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, long coherence length, remote control

## 730 nm

| RLTMDL-730 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-730-10-3, 730 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-730-20-3, 730 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-730-30-3, 730 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 750 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 750 nm

| RLTMDL-750 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-750-100-3, 750 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-750-300-3, 750 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-750-500-3, 750 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-750-1W-3, 750 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-750-2W-3, 750 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 785 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 785 nm

| RLTMDL-785 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-785-500-3, 785 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785-1W-3, 785 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785-2W-3, 785 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785-2.5W-3, 785 nm, 2.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-785R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-785R-100-3, 785 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785R-200-3, 785 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785R-300-3, 785 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-785L series \| DIODE \| CW \| NEAR TEM00** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-785L-300-3, 785±0.3 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785L-400-3, 785±0.3 nm, 400 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-785L-600-3, 785±0.3 nm, 600 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 785 nm INDUSTRIAL

**Fiber Coupled Diode Laser Systems for Industrial Application**

| 90-240 **VAC power supply integrated**
| CW operation
| **Options:** modulation, red pilot laser, remote control

## 785 nm

| RLTMFC-785 series \| DIODE \| CW \| FIBER COUPLED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMFC-785-500-3, 785 nm, 500 mW, cw, stability <3%, laser unit 243x249x127 mm | | o.r | o.r |
| RLTMFC-785-1W-3, 785 nm, 1 W, cw, stability <3%, laser unit 243x249x127 mm | | o.r | o.r |
| RLTMFC-785-2W-3, 785 nm, 2 W, cw, stability <3%, laser unit 243x249x127 mm | | o.r | o.r |

# LASER SYSTEMS IR - 785 nm RAMAN

**Spectrum Stabilized Fiber Coupled Diode Laser Systems for Raman Application**

| 90-240 VAC **adapter included**
| CW operation
| **Options:** modulation

## 785 nm

| RLTMFC-785D series \| DIODE \| CW \| FIBER COUPLED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMFC-785D-200-3, 785±0.3 nm, 200 mW, cw, stability <3%, fiber coupled | | o.r | o.r |
| RLTMFC-785D-300-3, 785±0.3 nm, 300 mW, cw, stability <3%, fiber coupled | | o.r | o.r |
| RLTMFC-785D-450-3, 785±0.3 nm, 450 mW, cw, stability <3%, fiber coupled | | o.r | o.r |

# LASER SYSTEMS IR - 793 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 793 nm

| RLTMDL-793 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-793-500-3, 793 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-793-1W-3, 793 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-793-2.5W-3, 793 nm, 2.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-793-3W-3, 793 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-793-4W-3, 793 nm, 4 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 800 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, single longitudinal mode, remote control

## 800 nm

| RLTMDL-800 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-800-1W-3, 800 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-800-2W-3, 800 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-800-2.5W-3, 800 nm, 2.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-800R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-800R-100-3, 800 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-800R-300-3, 800 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-800R-500-3, 800 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 808 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 808 nm

| RLTMDL-808 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-808-1W-3, 808 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-808-2W-3, 808 nm, 2 W cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-808-5W-3, 808 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-808-8W-3, 808 nm, 8 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-808-10W-3, 808 nm, 10 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-808R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-808R-100-3, 808 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-808R-300-3, 808 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-808R-500-3, 808 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 808 nm INDUSTRIAL

**Fiber Coupled Diode Laser Systems for Industrial Application**

| 90-240 **VAC power supply integrated**
| CW operation
| **Options:** modulation, red pilot laser, remote control

**808 nm**

| RLTMFC-808 series \| DIODE \| CW \| FIBER COUPLED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMFC-808-20W-1, 808 nm, 20 W, cw, stability <1%, 400 µm MM fiber, SMA 905 | | o.r | o.r |
| RLTMFC-808-30W-1, 808 nm, 30 W, cw, stability <1%, laser unit 326x292x156 mm | | o.r | o.r |
| RLTMFC-808-40W-1, 808 nm, 40 W, cw, stability <1%, laser unit 314x290x134 mm | | o.r | o.r |
| RLTMFC-808-50W-1, 808 nm, 50 W, cw, stability <1%, laser unit 288x264x148 mm | | o.r | o.r |

# LASER SYSTEMS IR - 825 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

**825 nm**

| RLTMDL-825 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-825-500-3, 825 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-825-1W-3, 825 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-825-2W-3, 825 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 830 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

**830 nm**

| RLTMDL-830 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-830-500-3, 830 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-830-1W-3, 830 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-830-2W-3, 830 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-830R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-830R-100-3, 830 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-830R-300-3, 830 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-830R-500-3, 830 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 845 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

**845 nm**

| RLTMDL-845 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-845-20-3, 845 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-845-40-3, 845 nm, 40 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 852 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, long coherence length, remote control

**852 nm**

| RLTMDL-852 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-852-1W-3, 852 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

| | | |
|---|---|---|
| RLTMDL-852-1.5W-3, 852 nm, 1.5 W, cw, stability <3%, PSU-FDA | o.r | o.r |

# LASER SYSTEMS IR - 879/880 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 879/880 nm

| RLTMDL-879 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-879-1W-3, 879 nm, 1 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-879-2W-3, 879 nm, 2 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-879-2.5W-3, 879 nm, 2.5 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-880 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-880-1W-3, 880 nm, 1 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-880-2W-3, 880 nm, 2 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-880-2.5W-3, 880 nm, 2.5 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 885 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 885 nm

| RLTMDL-885 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-885-500-3, 885 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-885-1W-3, 885 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-885-1.5W-3, 885 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 905 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 905 nm

| RLTMDL-905L series \| DIODE \| CW \| TEM00 | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-905L-30-2, 905 nm, 30 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-905L-50-2, 905 nm, 50 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-905L-70-2, 905 nm, 70 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 914 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 914 nm

| RLTMIL-914 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-914-100-5, 914 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-914-200-5, 914 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-914-400-5, 914 nm, 400 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 915 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 915 nm

| RLTMDL-915 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-915-100-3, 915 nm, 100 mW, cw, stability <3%, PSU-LED | | o.r | o.r |
| RLTMDL-915-300-3, 915 nm, 300 mW, cw, near TEM00, stability <3%, PSU-FDA | | 1.448,00 | 1.717,27 |
| RLTMDL-915-500-3, 915 nm, 500 mW, cw, stability <3%, PSU-FDA | | 1.238,00 | 1.468,22 |
| RLTMDL-915-1W-3, 915 nm, 1 W, cw, stability <3%, PSU-FDA | | 1.448,00 | 1.717,27 |
| RLTMDL-915-2W-3, 915 nm, 2 W, cw, stability <3%, PSU-FDA | | 1.900,00 | 2.253,32 |
| RLTMDL-915-5W-3, 915 nm, 5 W, cw, stability <3%, PSU-FDA | | 2.352,00 | 2.789,37 |
| RLTMDL-915-8W-3, 915 nm, 8 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 940 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 940 nm

| RLTMDL-940 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-940-100-3, 940 nm, 100 mW, cw, near TEM00, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-940-300-3, 940 nm, 300 mW, cw, near TEM00, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-940-500-3, 940 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-940-1W-3, 940 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-940-2W-3, 940 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-940-5W-3, 940 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-940-8W-3, 940 nm, 8 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 946 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 946 nm

| RLTMIL-946 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-946-50-3, 946 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-946-100-3, 946 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-946-200-3, 946 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-946-500-3, 946 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-946-800-3, 946 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 968 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 968 nm

| RLTMDL-968 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-968-200-2, 968 nm, 200 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-968-500-2, 968 nm, 500 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-968-800-2, 968 nm, 800 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-968-1W-2, 968 nm, 1 W, cw, stability <2%, PSU-LED | | o.r | o.r |

# LASER SYSTEMS IR - 975 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 975 nm

| RLTMDL-975 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-975-500-3, 975±5 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-975-1W-3, 975±5 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-975-3W-3, 975±5 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-975-5W-3, 975±5 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-975-10W-3, 975±5 nm, 10 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-975R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-975R-100-3, 975±5 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-975R-300-3, 975±5 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-975R-500-3, 975±5 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 980 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 980 nm

| RLTMDL-980 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-980-500-3, 980±10 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980-1W-3, 980±10 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980-2W-3, 980 nm, 2 W, cw stab. <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980-3W-3, 980±10 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980-5W-3, 980±10 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980-10W-3, 980±10 nm, 10 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMDL-980R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-980R-100-3, 980±10 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980R-300-3, 980±10 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-980R-500-3, 980±10 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 980 nm INDUSTRIAL

**Fiber Coupled Diode Laser Systems for Industrial Application**

| 90-240 **VAC power supply integrated**
| CW operation
| **Options:** modulation, red pilot laser, remote control

## 980 nm

| RLTMFC-980 series \| DIODE \| CW \| FIBER COUPLED | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMFC-980-1W-1, 980 nm, 1 W, cw, stability <1%, laser unit 243x249x127 mm | | o.r | o.r |
| RLTMFC-980-2W-1, 980 nm, 2 W, cw, stability <1%, laser unit 330x291x156 mm | | o.r | o.r |
| RLTMFC-980-4W-1, 980 nm, 4 W, cw, stability <1%, laser unit 330x291x156 mm | | o.r | o.r |
| RLTMFC-980-8W-1, 980 nm, 8 W, cw, stability <1%, laser unit 243x249x127 mm | | o.r | o.r |
| RLTMFC-980-25W-1, 980 nm, 25 W, cw, stability <1%, laser unit 314x290x134 mm | | o.r | o.r |
| RLTMFC-980-30W-1, 980 nm, 30 W, cw, stability <1%, laser unit 288x264x148 mm | | o.r | o.r |
| RLTMFC-980-50W-1, 980 nm, 50 W, cw, stability <1%, laser unit 314x290x134 mm | | o.r | o.r |

# LASER SYSTEMS IR - 1030 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1030 nm

| RLTMIL-1030 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1030-30-3, 1030 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1030-50-3, 1030 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

| | | |
|---|---|---|
| RLTMIL-1030-80-3, 1030 nm, 80 mW, cw, stability <3%, PSU-FDA | o.r | o.r |

| | | |
|---|---|---|
| RLTMIL-1030-100-3, 1030 nm, 100 mW, cw, stability <3%, PSU-FDA | o.r | o.r |

# LASER SYSTEMS IR - 1040 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

## 1040 nm

| **RLTMIL-1040 series \| DPSS \| CW** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| RLTMIL-1040-30-3, 1040 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1040-50-3, 1040 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1040-80-3, 1040 nm, 80 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1040-100-3, 1040 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1047 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1047 nm

| **RLTMIL-1047 series \| DPSS \| CW** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| RLTMIL-1047-50-3, 1047 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1047-100-3, 1047 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1047-300-3, 1047 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1047-500-3, 1047 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1047-800-3, 1047 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1047-1W-3, 1047 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMIL-1053 series \| DPSS \| CW** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMIL-1053-100-3, 1053 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1053-300-3, 1053 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1053-500-3, 1053 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1053-1W-3, 1053 nm, 1000 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMPL-1053 series \| DPSS \| PASSIVELY Q-SWITCHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMPL-1053-10-3, 1053 nm, 10 µJ, pulse length ~10ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1053-20-3, 1053 nm, 20 µJ, pulse length ~10ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1053-30-3, 1053 nm, 30 µJ, pulse length ~10ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1053-50-3, 1053 nm, 50 µJ, pulse length ~10ns, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1060 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 1060 nm

| **RLTMDL-1060 series \| DIODE \| CW** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| RLTMDL-1060-100-5, 1060 nm, 100 mW, cw, near TEM00, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1060-200-5, 1060 nm, 200 mW, cw, near TEM00, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1060-300-5, 1060 nm, 300 mW, cw, near TEM00, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1060-500-5, 1060 nm, 500 mW, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1060-1W-5, 1060 nm, 1 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1060-2W-5, 1060 nm, 2 W, cw, square beam, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1064 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1064 nm

| RLTMIL-1064 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1064-300-3, 1064 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-500-3, 1064 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-800-3, 1064 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-1W-3, 1064 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-2W-3, 1064 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-3W-3, 1064 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-5W-5, 1064 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-8W-5, 1064 nm, 8 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-10W-5, 1064 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-15W-5, 1064 nm, 15 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1064-20W-5, 1064 nm, 20 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| **RLTMLL-1064 series \| DPSS \| CW \| LOW NOISE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMLL-1064-300-3, 1064 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-1064-500-3, 1064 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-1064-800-3, 1064 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-1064-1W-3, 1064 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-1064-2W-3, 1064 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMLL-1064-3W-3, 1064 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| **RLTMSL-1064 series \| DPSS \| CW \| LOW NOISE \| SINGLE LONGITUDINAL MODE** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMSL-1064-50-3, 1064 nm, 50 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-100-3, 1064 nm, 100 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-300-3, 1064 nm, 300 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-500-3, 1064 nm, 500 mW, cw, stability <3%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-1W-3, 1064 nm, 1 W, cw, stability <3%, noise <1%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-2W-5, 1064 nm, 2 W, cw, stability <5%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-5W-5, 1064 nm, 5 W, cw, stability <5%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-8W-5, 1064 nm, 8 W, cw, stability <5%, noise <0.5%, PSU-FDA | | o.r | o.r |
| RLTMSL-1064-10W-5, 1064 nm, 10 W, cw, stability <5%, noise <0.5%, PSU-FDA | | o.r | o.r |
| **RLTMPL-1064 series \| DPSS \| PASSIVELY Q-SWICTHED** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMPL-1064-100-3, 1064 nm, 10-20 µJ, 100 mW, pulse length ~1.3ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1064-300-3, 1064 nm, 10-20 µJ, 300 mW, pulse length ~1.3ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1064-500-3, 1064 nm, 10-20 µJ, 500 mW, pulse length ~3-5ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1064-1W-3, 1064 nm, 20-100 µJ, 1 W, pulse length ~10ns, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMPL-1064-2W-5, 1064 nm, 150-250 µJ, 2 W, pulse length ~2ns, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMPL-1064-3W-5, 1064 nm, 150-250 µJ, 3 W, pulse length ~2ns, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1085 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

## 1085 nm

| RLTMIL-1085U series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1085U-100-5, 1085 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1085U-200-5, 1085 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1085U-300-5, 1085 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1085U-500-5, 1085 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1085U-1W-5, 1085 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1112 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1112 nm

| RLTMIL-1112 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1112-30-3, 1112 nm, 30 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1112-50-3, 1112 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1112-100-3, 1112 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1112-300-3, 1112 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1112-500-3, 1112 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1122 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1122 nm

| RLTMIL-1122 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1122-50-3, 1122 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1122-100-3, 1122 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1122-200-3, 1122 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1122-500-3, 1122 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1122-800-3, 1122 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1122-1W-3, 1122 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1177 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 1177 nm

| RLTMIL-1177 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1177-30-5, 1177 nm, 30 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1177-50-5, 1177 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1177-100-5, 1177 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1177-150-5, 1177 nm, 150 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1310 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 1310 nm

| RLTMDL-1310 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1310-10-3, 1310 nm, 10 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1310-20-3, 1310 nm, 20 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1313 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1313 nm

| RLTMIL-1313 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1313-100-3, 1313 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1313-300-3, 1313 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1313-500-3, 1313 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1313-1W-3, 1313 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1319 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1319 nm

| RLTMIL-1319 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1319-50-3, 1319 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1319-100-3, 1319 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1319-300-3, 1319 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1319-500-3, 1319 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1319-800-3, 1319 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1319-1W-3, 1319 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1319-1.5W-3, 1319 nm, 1.5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1342 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, single longitudinal mode, remote control

## 1342 nm

| RLTMIL-1342 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1342-100-3, 1342 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-300-3, 1342 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-500-3, 1342 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-800-3, 1342 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-1W-3, 1342 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-2W-3, 1342 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-3W-3, 1342 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-5W-3, 1342 nm, 5 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1342-6W-3, 1342 nm, 6 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1413 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 1413 nm

| RLTMIL-1413 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1413-50-5, 1413 nm, 50 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1413-100-5, 1413 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1413-200-5, 1413 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1413-300-5, 1413 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1444 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, low noise, remote control

## 1444 nm

| RLTMIL-1444 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1444-50-3, 1444 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1444-100-3, 1444 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1444-200-3, 1444 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1444-400-3, 1444 nm, 400 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1450 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 1450 nm

| RLTMDL-1450 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1450-100-2, 1450 nm, 100 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450-300-2, 1450 nm, 300 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450-500-2, 1450 nm, 500 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450-1W-2, 1450 nm, 1 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450-2W-2, 1450 nm, 2 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450-3W-2, 1450 nm, 3 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| **RLTMDL-1450R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-1450R-50-2, 1450 nm, 50 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450R-100-2, 1450 nm, 100 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1450R-150-2, 1450 nm, 150 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1470 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 1470 nm

| RLTMDL-1470 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1470-100-2, 1470 nm, 100 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470-300-2, 1470 nm, 300 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470-500-2, 1470 nm, 500 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470-1W-2, 1470 nm, 1 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470-2W-2, 1470 nm, 2 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470-3W-2, 1470 nm, 3 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| **RLTMDL-1470R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-1470R-50-2, 1470 nm, 50 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470R-100-2, 1470 nm, 100 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1470R-150-2, 1470 nm, 150 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1532 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 1532 nm

| RLTMDL-1532 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1532-100-2, 1532 nm, 100 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1532-300-2, 1532 nm, 300 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1532-500-2, 1532 nm, 500 mW, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1532-1W-2, 1532 nm, 1 W, cw, stability <2%, PSU-FDA | | o.r | o.r |

| | | |
|---|---|---|
| RLTMDL-1532-2W-2, 1532 nm, 2 W, cw, stability <2%, PSU-LED | o.r | o.r |

| | | |
|---|---|---|
| RLTMDL-1532-3W-2, 1532 nm, 3 W, cw, stability <2%, PSU-LED | o.r. | o.r. |

# LASER SYSTEMS IR - 1550 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, narrow linewidth, remote control

## 1550 nm

| RLTMDL-1550 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1550-100-3, 1550 nm, 100 mW cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550-300-3, 1550 nm, 300 mW cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550-500-3, 1550 nm, 500 mW cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550-1W-2, 1550 nm, 1 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550-2W-2, 1550 nm, 2 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550-3W-2, 1550 nm, 3 W, cw, stability <2%, PSU-FDA | | o.r | o.r |
| **RLTMDL-1550R series \| DIODE \| CW \| ROUND BEAM** | **Status** | **EUR / pc** | **USD / pc** |
| RLTMDL-1550R-50-2, 1550 nm, 50 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550R-100-2, 1550 nm, 100 mW, cw, round beam, stability <2%, PSU-FDA | | o.r | o.r |
| RLTMDL-1550R-200-2, 1550 nm, 200 mW, cw,flat top beam, stability <2%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1645 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 1413 nm

| RLTMIL-1645 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1645-100-5, 1645 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1645-300-5, 1645 nm, 300 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1645-500-5, 1645 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1645-800-5, 1645 nm, 800 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1645-1W-5, 1645 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1870 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation mode
| **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

## 1870 nm

| RLTMDL-1870 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1870-100-3, 1870 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1870-200-3, 1870 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1870-300-3, 1870 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1870-500-3, 1870 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1870-800-3, 1870 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1900 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation mode
| **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

## 1900 nm

| RLTMDL-1900 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1900-100-3, 1900 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1900-200-3, 1900 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1900-300-3, 1900 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1900-500-3, 1900 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1900-800-3, 1900 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1910 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 1910 nm

| RLTMIL-1910 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1910-200-3, 1910 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-300-3, 1910 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-600-3, 1910 nm, 600 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-1W-5, 1910 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-3W-5, 1910 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-5W-5, 1910 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-10W-5, 1910 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1910-13W-5, 1910 nm, 13 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1940 nm DIODE

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation mode
| **Options:** Fiber coupling, modulation, adj. output power, high stability, remote control

## 1940 nm

| RLTMDL-1940 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-1940-100-3, 1940 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1940-200-3, 1940 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1940-300-3, 1940 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1940-500-3, 1940 nm, 500 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-1940-800-3, 1940 nm, 800 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1940 nm DPSS

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 1940 nm

| RLTMIL-1940 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1940-200-3, 1940 nm, 200 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-300-3, 1940 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-600-3, 1940 nm, 600 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-1W-5, 1940 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-3W-5, 1940 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-5W-5, 1940 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-10W-5, 1940 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1940-13W-5, 1940 nm, 13 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 1985/1990 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW operation
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 1985/1990 nm

| RLTMIL-1985 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1985-200-5, 1985 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1985-400-5, 1985 nm, 400 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1985-600-5, 1985 nm, 600 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1985-1W-5, 1985 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1985-3W-5, 1985 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1985-5W-5, 1985 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1985-10W-5, 1985 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

| RLTMIL-1990 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-1990-200-5, 1990 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1990-400-5, 1990 nm, 400 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1990-600-5, 1990 nm, 600 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1990-1W-5, 1990 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1990-3W-5, 1990 nm, 3 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1990-5W-5, 1990 nm, 5 W, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-1990-10W-5, 1990 nm, 10 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 2096 nm

**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 2096 nm

| RLTMIL-2096 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-2096-1W-3, 2096 nm, 1 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-2096-2W-3, 2096 nm, 2 W, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMIL-2096-3W-3, 2096 nm, 3 W, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS IR - 2200 nm

**Diode Laser Systems**

| 90-240 **VAC power supply included**
| CW operation mode
| **Options:** Fiber coupling, modulation, adj. output power, high stability, low noise, remote control

## 2200 nm

| RLTMDL-2200 series \| DIODE \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMDL-2200-50-3, 2200 nm, 50 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-2200-100-3, 2200 nm, 100 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-2200-300-3, 2200 nm, 300 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |
| RLTMDL-2200-400-3, 2200 nm, 400 mW, cw, stability <3%, PSU-FDA | | o.r | o.r |

# LASER SYSTEMS MID IR - 3800 nm

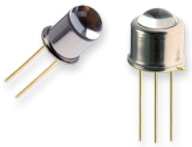
**Diode Pumped Solid State Laser Systems**

| 90-240 **VAC power supply included**
| CW and pulsed systems available
| **Options:** Fibercoupling, modulation, adj. output power, high stability, remote control

## 3800 nm

| RLTMPL-3800 series \| DPSS \| CW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLTMIL-3800-100-5, 3800 nm, 100 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-3800-200-5, 3800 nm, 200 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-3800-500-5, 3800 nm, 500 mW, cw, stability <5%, PSU-FDA | | o.r | o.r |
| RLTMIL-3800-1W-5, 3800 nm, 1 W, cw, stability <5%, PSU-FDA | | o.r | o.r |

# LEDS - THROUGH HOLE - DEEP UV



**Through Hole LEDs**

- 3mm, 5mm, TO18 or TO39 can
- quarz glass lens
- **water purification / desinfection / phototherapy**
  **DNA sequencing, Blood Gas Measurements**

| LEDs Through Hole \| DEEP-UV \| 230 - 340 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **230 nm** | | | |
| UV230-T39L, 230 ±5 nm, 400 µW, 20 mA, ±8°, TO-39, hemispherical lens | NEW | 523,80 | 621,20 |
| **255 nm** | | | |
| UV255-T46L, 255 ±5 nm, 3.0 mW, 20 mA, ±7°, TO-46, hemispherical lens | NEW | 66,40 | 78,75 |
| UVTOP250-HL-TO39, 255 ±5 nm, 0.3 mW, 20 mA, TO-39, hemispherical lens | | 445,00 | 527,75 |
| UVTOP250-FW-TO39, 255 ±5 nm, 20 mA, TO-39, flat window | | 697,80 | 827,56 |
| UVTOP250-BL-TO39, 255 ±5 nm, 20 mA, TO-39, ball lens | | 756,10 | 896,70 |
| **265 nm** | | | |

| | | |
|---|---|---|
| UVTOP260-HL-TO39, 265 ±5 nm, 0.6 mW, 20 mA, TO-39, hemispherical lens | 301,10 | 357,09 |
| UVTOP260-FW-TO39, 265 ±5 nm, 20 mA, TO-39, flat window | 607,10 | 720,00 |
| UVTOP260-BL-TO39, 265 ±5 nm, 20 mA, TO-39, ball lens | 714,00 | 846,77 |

| | | | |
|---|---|---|---|
| **270 nm** | | | |
| UVTOP265-HL-TO39, 270 ±5 nm, 0.6 mW, 20 mA, TO-39, hemispherical lens | | 241,90 | 286,88 |
| **275 nm** | | | |
| UVTOP270-HL-TO39, 275 ±5 nm, 0.6 mW, 20 mA, TO-39, hemispherical lens | | 212,00 | 251,42 |
| UVTOP270-FW-TO39, 275 ±5 nm, 20 mA, TO-39, flat window | | 485,70 | 576,02 |
| UVTOP270-BL-TO39, 275 ±5 nm, 20 mA, TO-39, ball lens | | 686,50 | 814,16 |
| **280 nm** | | | |
| UV280-T46L, 280 ±5 nm, 5.5 mW, 20 mA, ±7°, TO-46, hemispherical lens | NEW | 66,40 | 78,75 |
| DUV280-FW18, 280 ±5 nm, 1.2 mW, 20 mA, ±55°, TO-18, flat window | EOL | 131,14 | 155,53 |
| **285 nm** | | | |
| UVTOP280-HL-TO39, 285 ±5 nm, 0.7 mW, 20 mA, TO-39, hemispherical lens | | 259,00 | 307,16 |
| UVTOP280-FW-TO39, 285 ± 5 nm, 20 mA, TO-39, flat window | | 474,40 | 562,62 |
| UVTOP280-BL-TO39, 285 ±5 nm, 20 mA, TO-39, ball lens | | 688,00 | 815,94 |
| **295 nm** | | | |
| UVTOP290-HL-TO39, 295 ±5 nm, 20 mA, TO-39, hemispherical lens | | 509,90 | 604,72 |
| UVTOP290-FW-TO39, 295 ±5 nm, 20 mA, TO-39, flat window | | 425,81 | 504,99 |
| UVTOP290-BL-TO39, 295 ±5 nm, 20 mA, TO-39, ball lens | | 607,10 | 720,00 |
| **310 nm** | | | |
| UVTOP305-HL-TO39, 310 ±5 nm, 20 mA, TO-39, hemispherical lens | | 485,71 | 576,03 |
| UVTOP305-FW-TO39, 310 ±5 nm, 20 mA, TO-39, flat window | | 412,90 | 489,68 |
| UVTOP305-BL-TO39, 310 ±5 nm, 20 mA, TO-39, ball lens | | 534,30 | 633,66 |
| DUV310-OC39, 310 ±5 nm, 2.0 mW, 20 mA, ±72°, TO-39, open can | | 72,90 | 86,46 |
| DUV310-FW5, 310 ±5 nm, 1.5 mW, 20 mA, ±58°, TO-39, flat window | | 80,90 | 95,94 |
| DUV310-FW18, 310 ±5 nm, 1.2 mW, 20 mA, ±55°, TO-18, flat window | | 80,90 | 95,94 |
| DUV310-HL5N, 310 ±5 nm, 0.8 mW, 20 mA, ±3°, TO-39, hemispherical lens | | 90,70 | 107,57 |
| DUV310-HL46N, 310 ±5 nm, 0.9 mW, 20 mA, ±3°, TO-46S, hemispherical lens | | 90,70 | 107,57 |
| DUV310-HL18M, 310 ±5 nm, 1.2 mW, 20 mA, ±12°, TO-18, hemispherical lens | | 90,70 | 107,57 |
| DUV310-HL18W, 310 ±5 nm, 1.3 mW, 20 mA, ±20°, TO-18, hemispherical lens | | 90,70 | 107,57 |
| **325 nm** | | | |
| DUV325-OC39, 325 ±5 nm, 2.0 mW, 20 mA, ±72°, TO-39, open can | | 72,90 | 86,46 |
| DUV325-FW5, 325 ±5 nm, 1.7 mW, 20 mA, ±58°, TO-39, flat window | | 80,90 | 95,94 |
| DUV325-FW18, 325 ±5 nm, 1.2 mW, 20 mA, ±55°, TO-18, flat window | | 80,90 | 95,94 |
| DUV325-HL5N, 325 ±5 nm, 0.9 mW, 20 mA, ±3°, TO-39, hemispherical lens | | 90,70 | 107,57 |
| DUV325-HL46N, 325 ±5 nm, 1.0 mW, 20 mA, ±3°, TO-46S, hemispherical lens | | 90,70 | 107,57 |
| DUV325-HL18M, 325 ±5 nm, 1.5 mW, 20 mA, ±12°, TO-18, hemispherical lens | | 90,70 | 107,57 |
| DUV325-HL18W, 325 ±5 nm, 1.4 mW, 20 mA, ±20°, TO-18, hemispherical lens | | 90,70 | 107,57 |
| UV325-T46L, 325 ±5 nm, 4 mW, 20 mA, ±6°, TO-46, hemispherical lens | NEW | 66,40 | 78,75 |
| **340 nm** | | | |
| UV340-T46L, 335 +/-5 nm, 4.0 mW, 20 mA, ±7°, TO-46, hemispherical lens | NEW | 66,40 | 78,75 |
| UVLED340-TF, 340 nm, 50 µW, 20 mA, 90°, TO-18 | | 18,50 | 21,94 |
| DUV340-OC39, 340 ±5 nm, 2.0 mW, 20 mA, ±72°, TO-39, open can | | 72,90 | 86,46 |
| DUV340-FW5, 340 ±5 nm, 1.7 mW, 20 mA, ±58°, TO-39, flat window | | 80,90 | 95,94 |
| DUV340-FW18, 340 ±5 nm, 1.3 mW, 20 mA, ±55°, TO-18, flat window | | 80,90 | 95,94 |
| DUV340-HL5N, 340 ±5 nm, 1.0 mW, 20 mA, ±3°, TO-39, hemispherical lens | | 90,70 | 107,57 |
| DUV340-HL46N, 340 ±5 nm, 0.9 mW, 20 mA, ±3°, TO-46S, hemispherical lens | | 90,70 | 107,57 |
| DUV340-HL18M, 340 ±5 nm, 1.3 mW, 20 mA, ±12°, TO-18, hemispherical lens | | 90,70 | 107,57 |
| DUV340-HL18W, 340 ±5 nm, 1.3 mW, 20 mA, ±20°, TO-18, hemispherical lens | | 90,70 | 107,57 |

# LEDS - THROUGH HOLE - UV

UV-LEDs
different packages: 3 mm and 5 mm clear epoxy,
TO packages and SMD packages

| LEDs Through Hole \| UV \| 355 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **355 nm** | | | |
| XSL-355-TF, 355 nm, 0.5 mW, 20 mA, 100°, TO-46 with flat glass window | | 6,28 | 7,45 |
| XSL-355-TF4, 355 nm, 1.0 mW, 20 mA, 100°, TO-46 with flat window | | 9,21 | 10,92 |
| XSL-355-TB, 355 nm, 0.7 mW, 20 mA, 10°, TO-46 with glass ball lens | | 9,21 | 10,92 |
| XSL-355-3E-R6, 355 nm, 2.4-4.0 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy | | 9,01 | 10,69 |
| XSL-355-5E-R6, 355 nm, 1.8-2.4 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy | | 9,01 | 10,69 |
| **360 nm** | | | |
| XSL-360-TF, 360 nm, 1.0 mW, 20 mA, 100°, TO-46 with flat window | | 8,40 | 9,96 |
| XSL-360-TB, 360 nm, 0.7 mW, 20 mA, 10°, TO-46 with glass ball lens | | 8,39 | 9,95 |
| XSL-360-3E, 360 nm, 1.2-1.8 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy | | 7,40 | 8,78 |
| XSL-360-5E, 360 nm, 1.2-1.8 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy | | 7,40 | 8,78 |
| RLT360-1.5-30-3CC, 361 nm, 1.5 mW, 3x20 mA, 3 chips ~30°, 5 mm clear epoxy | EOL | 5,58 | 6,62 |
| **365 nm** | | | |
| XSL-365-TF, 365 nm, 0.6-0.8 mW, 20 mA, 100°, TO-46 with flat glass window | EOL | 6,13 | 7,27 |

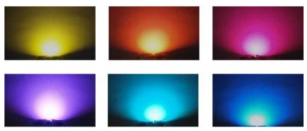
| | | | |
|---|---|---|---|
| XSL-365-TF5, 365 nm, 1.5 mW, 20 mA, 100°, TO-46 with flat glass window | | 7,20 | 8,54 |
| XSL-365-TB, 365 nm, 0.6-0.8 mW, 20 mA, 10°, TO-46 with glass ball lens | EOL | 6,13 | 7,27 |
| XSL-365-TB4, 365 nm, 1.0 mW, 20 mA, 10°, TO-46 with glass ball lens | | 7,20 | 8,54 |
| XSL-365-3E, 365 nm, 4.0-6.0 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy | | 5,46 | 6,48 |
| XSL-365-5E, 365 nm, 4.0-6.0 mW, 20 mA, 15°, 5 mm UV resistant clear epoxy (silicone) | | 5,48 | 6,50 |
| XRL-365-5E, 365 nm, 11-14.0 mW, 20 mA, 40°, 5 mm clear UV-resistant epoxy | | 9,15 | 10,85 |
| XSL-365-5F, 365 nm, 4.0-6.0 mW, 20 mA, 100°, 5 mm UV resistant clear epoxy (silicone) | | 5,48 | 6,50 |
| UVLED365-11E, 365 nm, 4.0 mW, 20 mA, 10°, TO-46 with glass ball lens | | 5,78 | 6,85 |
| RLT365-11E, 365 nm, 4 mW, 20 mA, 10°, aluminium housing with UV cut-off filter | | 50,20 | 59,54 |
| UVLED365-111E, 365 nm, 5.0 mW at 20 mA, 110°, TO-46 with flat glass window | EOL | 5,98 | 7,09 |
| UVLED365-12E, 365 nm, 4.0 mW, 20 mA, 11°, TO-46 with glass ball lens | NEW | 7,62 | 9,04 |
| UVLED365-12D, 365 nm, 9.0 mW, 20 mA, 6°, TO-46 with glass ball lens | NEW | 6,28 | 7,45 |
| RLT365-12E, 365 nm, 7 mW, 20 mA, 10°, TO-46, aluminium housing with UV cut-off filter | NEW | 49,83 | 59,10 |
| UVLED365-121E, 365 nm, 8.5 mW, 20 mA, 100°, TO-46, flat windows | NEW | 7,63 | 9,05 |
| RLT365-121E, 365 nm, 7 mW, 20 mA, 100°, TO-46, aluminium housing with UV cut-off filter | NEW | 49,83 | 59,10 |
| RLT365-10, 365 nm, 1.2 mW, 20 mA, 10°, aluminium housing with UV cut-off filter | EOL | 38,00 | 45,07 |
| LED365-01Z, 365 nm, 5.5 mW, 20 mA, 18°, 5 mm clear UV-resistant epoxy | | 7,31 | 8,67 |
| LED365-06Z, 365 nm, 5.5 mW, 20 mA, 8°, 5 mm clear UV-resistant epoxy | | 6,98 | 8,28 |
| **370 nm** | | | |
| XSL-370-TF5, 370 nm, 1.2-1.8 mW, 20 mA, 100°, TO-46 with flat glass window | | 4,10 | 4,86 |
| XSL-370-TB4, 370 nm, 0.8-1.2 mW, 20 mA, 10°, TO-46 with glass ball lens | EOL | 4,50 | 5,34 |
| XSL-370-TB5, 370 nm, 1.2-1.8 mW, 20 mA, 10°, TO-46 with glass ball lens | | 5,52 | 6,55 |
| XSL-370-3E, 370 nm, 6.0-8.4 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy | | 4,38 | 5,19 |
| XSL-370-5E, 370 nm, 6.0-8.4 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy | | 4,38 | 5,19 |
| VL370-5-15, 370 nm, 2.0-4.0 mW, 20 mA, 15°, 5 mm clear epoxy | | 3,14 | 3,72 |
| VL370-TH-45, 370 nm, 1.4-2.0 mW, 20 mA, 45°, 5 mm clear epoxy | EOL | 3,14 | 3,72 |
| RLT370-TO-18, 370 nm, 400 µW, 20 mA, 15°, TO-18 with glass ball lens | EOL | 6,06 | 7,19 |
| RLS-UV370, 370 nm, 500 µW, 20 mA, 15°, TO-18 with cap lens | EOL | 2,86 | 3,39 |
| RLS-UV370E, 370 nm, 1 mW, 20 mA, 20°, 5 mm clear epoxy | | 5,75 | 6,82 |
| RV1-370-15-5, 370 nm, 4 mW, 20 mA, 15°, 5 mm clear epoxy | | 2,26 | 2,68 |
| RLT370-110, 370 nm, 2.0 mW, 20 mA, 110°, aluminium housing with UV cut off-filter | EOL | 38,00 | 45,07 |
| **375 nm** | | | |
| UVLED370-111E, 375 nm, 8.5 mW at 20 mA, 110°, TO-46 with flat glass window | | 4,94 | 5,86 |
| UVLED370-12E, 375 nm, 8.5 mW, 20 mA, 10°, TO-46 with glass ball lens | NEW | 4,94 | 5,86 |
| RLT370-12E, 375 nm, 7 mW, 20 mA, 10°, aluminium housing with UV cut off-filter | NEW | 49,83 | 59,10 |
| UVLED370-121E, 375 nm, 8.5 mW, 20 mA, 100°, TO-46, flat windows | NEW | 4,94 | 5,86 |
| RLT370-121E, 375 nm, 7 mW, 20 mA, 100°, aluminium housing with UV cut off-filter | NEW | 49,83 | 59,10 |
| XSL-375-TF-R2, 375 nm, 4-6 mW, 20 mA, 100°, TO-46 with flat window | | 5,32 | 6,31 |
| XSL-375-TB4, 375 nm, 0.8-1.2 mW, 20 mA, 10°, TO-46 with glass ball lens | | 3,32 | 3,94 |
| XSL-375-TB6, 375 nm, 1.8-2.4 mW, 20 mA, 10°, TO-46 with glass ball lens | | 5,32 | 6,31 |
| UVLED375-12E, 375 ±5 nm, 4 mW, 20 mA, ±3°, TO-46, hemispherical lens | NEW | 66,40 | 78,75 |
| XSL-375-3E, 375 nm, 14-17 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy | | 4,38 | 5,19 |
| XSL-375-5E, 375 nm, 6 mW, 20 mA, 15°, 5 mm clear UV-resistant mold | | 2,52 | 2,99 |
| XSL-375-5E-R4, 375 nm, 11-14 mW, 20 mA, 15°, 5 mm clear UV-resistant mold | | 4,38 | 5,19 |
| XRL-375-5E, 375 nm, 17.4-25.0 mW, 20 mA, 40°, 5 mm clear UV-resistant epoxy | | 6,08 | 7,21 |
| LED375-04, 375 nm, 2.5 mW, 20 mA, ±20°, 5 mm clear UV-resistant epoxy | | 4,82 | 5,72 |
| LED375-06, 375 nm, 2.5 mW, 20 mA, ±4°, 5 mm clear UV-resistant epoxy | | 4,99 | 5,92 |
| LED375-33, 375 nm, 7 mW, 20 mA, ±8°, 3 mm clear UV-resistant epoxy | | 4,82 | 5,72 |
| RV2-375-15-5, 375 nm, 4.5 mW, 20 mA, 15°, 5 mm clear epoxy | | 2,16 | 2,56 |
| B5M-447-375S, 375 nm, 4 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy | | 2,60 | 3,08 |
| UVLED375-10-30, 375 nm, 15 mW, 15 mA, ±20°, 5 mm clear UV-resistant mold | | 2,90 | 3,44 |
| **380 nm** | | | |
| B5M-447-380S, 380 nm, 5 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy | | 1,18 | 1,40 |
| VL380-5-15, 380 nm, 4.0-7.0 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,96 | 2,32 |
| RLS-UV380, 380 nm, 8.0-12.0 mW, 20 mA, 20°, 5 mm clear epoxy | | 1,40 | 1,66 |
| E1L5M-4POA2-01, 385 nm, 1.5-2.3 mW, 20 mA, 16°, TO-46 ball lens | | 2,98 | 3,53 |
| UVLED380-12E, 380 ±5 nm, 4 mW, 20 mA, ±3°, TO-46, hemispherical lens | NEW | 12,40 | 14,71 |
| RLS-UV385, 385 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy | EOL | 1,22 | 1,45 |
| RLU385-2-30, 385 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy | EOL | 2,07 | 2,45 |
| 385D30, 385 nm, FWHM 15 nm, 30°, 3-5 mW, 5 mm clear epoxy | EOL | 1,63 | 1,93 |
| **385 nm** | | | |
| RV3-385-15-5, 385 nm, 8 mW, 20 mA, 15°, 5 mm clear epoxy | | 2,06 | 2,44 |
| LED385-03, 385 nm, 18 mW, 20 mA, 18°, 5 mm clear UV-resistant epoxy | | 4,82 | 5,72 |
| LED385-33, 385 nm, 18 mW, 20 mA, ±6°, 3 mm clear UV-resistant epoxy | | 4,82 | 5,72 |
| **390 nm** | | | |
| VL390-5-15, 390 nm, 8.1-11.5 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,33 | 1,58 |
| HUUV-5102L, 393 nm, FWHM 13 nm, 20°, 2 mW, 5 mm clear epoxy | EOL | 0,62 | 0,74 |
| **395 nm** | | | |
| RLS-UV395, 395 nm, 10-18 mW, 20 mA, 20°, 5 mm clear epoxy | | 1,03 | 1,22 |
| B3B-447-CVD, 395 nm, 15 mcd, 20 mA, 30°, 3 mm clear epoxy | | 1,95 | 2,31 |
| LED395-33, 395 nm, 18 mW, 20 mA, 16°, 3 mm clear UV-resistant epoxy | | 4,36 | 5,17 |
| LED395-01, 395 nm, 18 mW, 20 mA, 14°, 5 mm clear UV-resistant epoxy | | 4,36 | 5,17 |

| | | |
|---|---|---|
| RV4-395-15-5, 395 nm, 12 mW, 20 mA, 15°, 5 mm clear epoxy | 1,50 | 1,78 |
| XRL-395-5O, 395 nm, 21-29 mW, 25 mA, 15°, 5 mm clear epoxy | 8,18 | 9,70 |
| **400 nm** | | |
| RLS-UV400, 400 nm, 7-10 mW, 20 mA, 15°, 5 mm clear epoxy | 1,22 | 1,45 |
| LLS-UV400, 400 nm, 18-23 mW, 20 mA, 15°, 5 mm clear epoxy | 2,45 | 2,91 |
| VL400-5-15, 400 nm, 8.1-11.5 mW, 20 mA, 15°, 5 mm clear epoxy | 1,89 | 2,24 |
| XRL-400-5O, 400 nm, 21-29 mW, 25 mA, 15°, 5 mm clear epoxy | 8,18 | 9,70 |
| XRL-400-5E, 400 nm, 21-29 mW, 25 mA, 40°, 5 mm clear epoxy | 8,18 | 9,70 |

# LEDS - THROUGH HOLE - VISIBLE

UV-LEDs
different packages: 3 mm and 5 mm clear epoxy,
TO packages and SMD packages

| LEDs Through Hole \| WHITE | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **GaN** | | | |
| M5DLS1C1A, warm white, 3000K, 1.3 cd, 20 mA, 120°, SMD 3.2 x 2.8 mm | | 1,20 | 1,42 |
| W5DLS1C1A, white, 10000K, 1.9 cd, 20 mA, 120°, PLCC2 SMD 3.2 x 2.8 mm | | 1,20 | 1,42 |
| B3B-440-LBS, white, 10.5 cd, 20 mA, 20°, 3 mm clear epoxy | | 0,90 | 1,07 |
| B5-430-JD, white, 3.5 cd, 20 mA, 30°, 5 mm clear epoxy | | 1,10 | 1,30 |
| HUWH-5101L, white, 3.7 cd, 20 mA, 5 mm clear epoxy | EOL | 1,60 | 1,90 |
| HUWH-3101L, white, 3.7 cd, 20 mA, 3 mm clear epoxy | EOL | 1,60 | 1,90 |
| 5W4HCA-P, white, 4.0-4.5 cd, 20 mA, 20°, 5 mm clear epoxy | EOL | 1,10 | 1,30 |
| B5-43SUN-JD, warm white, (sunbeam) 4.5 cd, 20 mA, 30°, 5 mm clear epoxy | | 1,10 | 1,30 |
| B5-43SUN-JB, warm white, (sunbeam) 6.0 cd, 20 mA, 20°, 5 mm clear epoxy | | 1,10 | 1,30 |
| B5B-430-JB, white, 6.5 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,10 | 1,30 |
| 5W4HCA-H, white, 7.0-8.0 cd, 20 mA, 20°, 5 mm clear epoxy | EOL | 1,62 | 1,92 |
| 5W4HCA-U, white, 13.0-15.0 cd, 20 mA, 20°, 5 mm clear epoxy | EOL | 1,92 | 2,28 |
| RLS-5W-180-S, white, 18.0 cd, 20 mA, 15°, 5 mm clear epoxy | | 2,04 | 2,42 |
| 5W4HCA-H20-16, white, 18-26 cd, 20 mA, 15 mil chip, 20°, 5 mm clear epoxy | EOL | 2,34 | 2,78 |
| 5W4HCA-H30-16, white, 12-17 cd, 20 mA, 15 mil chip, 30°, 5 mm clear epoxy | EOL | 2,34 | 2,78 |
| RLS-5W-200-S, white, 20.0 cd, 20 mA, 15°, 5 mm clear epoxy | | 2,34 | 2,78 |
| 5W4HCA-H20, white, 20-25 cd, 20 mA, 15 mil chip, 20°, 5 mm clear epoxy | EOL | 2,44 | 2,89 |
| 5W4HCA-H20-ULTRA, white, 27-33 cd, 30 mA, 15 mil chip, 20°, 5 mm clear epoxy | EOL | 3,60 | 4,27 |
| PW5111A-Z3, white, 30-36 cd, 20 mA, 15°, x/y 0.31/0.30, 5 mm clear epoxy | EOL | 3,70 | 4,39 |
| W57L5111P, white, 45-60 cd, 50 mA, 15°, 5 mm clear epoxy | | 3,80 | 4,51 |
| W54L5111P, white, 75 cd, 50 mA, 15°, 5 mm clear epoxy | | 3,80 | 4,51 |
| M57L5111P, warm white, 30-35 cd, 50 mA, 15°, 5 mm clear epoxy | | 3,80 | 4,51 |
| **ZnSe** | | | |
| RLZS-2012, white, 200-300mcd, 20 mA, Vf 2.65V, 150°, 2012 SMD | | 1,49 | 1,77 |
| **RGB** | | | |
| OS5-RGB-3S, RGB, 625/525/470 nm, 8/14/4 cd @ 20 mA, 30°, 5mm clear epoxy, 4-Pin | | 1,85 | 2,19 |
| B5-4RGB-CBA, RGB, 625/525/470 nm, 20°, comm. +, 5 mm clear epoxy | | 1,86 | 2,21 |

| LEDs Through Hole \| PHOSPHOR COATED | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  5 mm clear epoxy type LEDs based on blue LED with **phosphor coating** | | | |
| K64L5111A, orchid, 8.4 cd, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| K7DL5111A, purple, 8.4 cd, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| B64L5111A, Ice blue, 20 cd, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| C24L5111A, sky blue, 4.5 lm, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| C34L5111A, cyan, 6.7 lm, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| CM4L5111A, yolk, 8.2 lm, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| CG4L5111A, orange peach, 4.4 lm, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |
| CA4L5111A, magenta, 3.8 lm, 20 mA, 15°, 5 mm clear epoxy | | 2,98 | 3,53 |

| LEDs Through Hole \| VIOLET \| 405 - 440 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **405 nm** | | | |
| 5P4FCA, 405 nm, 3-4 mW, 20 mA, 20°, 5 mm clear epoxy | EOL | 0,82 | 0,97 |
| RV5-405-8-5, 405 nm, 14 mW, 20 mA, 8°, 5 mm clear epoxy | | 1,78 | 2,11 |
| RV5-405-15-5, 405 nm, 14 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,78 | 2,11 |
| RV5-405-3, 405 nm, 14 mW, 20 mA, 30°, 3 mm clear epoxy | | 1,78 | 2,11 |
| LED405-01, 405 nm, 18 mW, 20 mA, 14°, 5 mm clear UV-resistant epoxy | | 3,88 | 4,60 |
| LED405-03, 405 nm, 18 mW, 20 mA, 16°, 5 mm clear UV-resistant epoxy | | 3,88 | 4,60 |
| LED405-33, 405 nm, 18 mW, 20 mA, 16°, 3 mm clear UV-resistant epoxy | | 3,13 | 3,71 |
| LED405-30M32, 405 nm, 3 mW, 20 mA, ±15°, TO-18 lenscap | | 5,60 | 6,64 |
| UVLED405-12E, 405 ±5 nm, 4 mW, 20 mA, ±3°, TO-46, hemispherical lens | NEW | 12,40 | 14,71 |
| B5B-437-CV, 405 nm, FWHM 10 nm, ±8°, 5-7 mW, 5 mm clear epoxy | | 2,55 | 3,02 |
| B5-437-CVD, 405 nm, FWHM 10 nm, ±30°, 5-7 mW, 5 mm clear epoxy | | 2,55 | 3,02 |
| LC503MUV1-30Q, 405 nm, FWHM 12 nm, 5-6 mW, 30°, 5 mm clear epoxy | | 5,05 | 5,99 |
| **410 nm** | | | |
| VL410-5-15, 410 nm, 10.0-16.0 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,89 | 2,24 |
| RLS-410-3-25, 410 nm, 3 mW, 20 mA, 25°, 5 mm clear epoxy | | 2,30 | 2,73 |

| | | | |
|---|---|---|---|
| **415 nm** | | | |
| B5M-447-415S, 415 nm, 9 mW, 20 mA, 15°, 5 mm clear UV-resistant epoxy | | 1,62 | 1,92 |
| VL415-5-15, 415 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,89 | 2,24 |
| VL415-3-20, 415 nm, 10-16 mW, 20 mA, 20°, 3 mm clear epoxy | EOL | 1,99 | 2,36 |
| **420 nm** | | | |
| VL420-5-15, 420 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,99 | 2,36 |
| LED420-03, 420 nm, 26 mW, 20 mA, ±10°, 5 mm clear UV-resistant epoxy | | 5,65 | 6,70 |
| LED420-06, 420 nm, 31 mW, 20 mA 10° 5 mm epoxy | | 5,65 | 6,70 |
| LED420-33, 420 nm, 15 mW, 20 mA, ±13°, 3 mm clear UV-resistant epoxy | | 3,90 | 4,63 |
| **425 nm** | | | |
| LED425-6-30, 425 nm, 6-8 mW, 20 mA, ±15°, 5 mm epoxy | | 3,23 | 3,83 |
| VL425-5-15, 425 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy | | 2,78 | 3,30 |
| VL425-3-20, 425 nm, 10-16 mW, 20 mA, 20°, 3 mm clear epoxy | EOL | 2,88 | 3,42 |
| **430 nm** | | | |
| VL430-5-15, 430 nm, 10-16 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,99 | 2,36 |
| LED430-01, 430 nm, 27 mW, 20 mA, 16°, 5 mm clear UV-resistant epoxy | | 3,83 | 4,54 |
| LED430-06, 430 nm, 27 mW, 20 mA, 8°, 5 mm clear UV-resistant epoxy | | 4,85 | 5,75 |
| LED430-05U, 430 nm, 10 mcd, 0.3 mW, 20 mA, ±40°, 5 mm epoxy | EOL | 1,20 | 1,42 |
| LED430-33L, 430 nm, 0.3 cd, 4.5 mW, 20 mA, 30°, 3 mm clear UV-resistant epoxy | EOL | 2,76 | 3,27 |
| LED430-33, 430 nm, 27 mW, 20 mA, 26°, 3 mm clear UV-resistant epoxy | | 3,90 | 4,63 |
| **435 nm** | | | |
| LED435-6-30, 435 nm, 5-7 mW, 20 mA, ±15°, 5 mm epoxy | | 1,99 | 2,36 |
| LED435-12-30, 435 nm, 10-14 mW, 20 mA, ±15°, 5 mm epoxy | | 3,23 | 3,83 |
| LED435-01, 435 nm, 25 mW, 20 mA, 16°, 5 mm clear UV-resistant epoxy | | 3,83 | 4,54 |
| LED435-03, 435 nm, 25 mW, 20 mA, 18°, 5 mm clear UV-resistant epoxy | | 3,83 | 4,54 |
| **440 nm** | | | |
| LED440-6-30, 440 nm, 6 mW, 20 mA, ±15°, 5 mm epoxy | | 1,65 | 1,96 |
| VL440-5-15, 440 nm, 10.0-16.0 mW, 20 mA, 15°, 5 mm clear epoxy | | 1,89 | 2,24 |

| **LEDs Through Hole \| BLUE \| 450 - 477 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **450 nm** | | | |
| ELD-450-525, 450 nm, 5.2 cd, 20 mA, 20°, 5 mm clear epoxy | | 1,89 | 2,24 |
| LED450-01, 450 nm, 24 mW, 20 mA, 16°, 5 mm UV-resistant clear epoxy | | 2,28 | 2,70 |
| LED450-03, 450 nm, 24 mW, 20 mA, 18°, 5 mm clear epoxy | | 2,82 | 3,34 |
| LED450-33, 450 nm, 20 mW, 1.2 cd, 20 mA, ±13°, 3 mm clear epoxy | | 2,61 | 3,10 |
| **465 nm** | | | |
| RLS-B465, 465 nm, 8cd, 20 mA ±15° 5 mm clear epoxy | | 1,20 | 1,42 |
| **470 nm** | | | |
| B5B-437-IX, 470 nm, 3.8 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,20 | 1,42 |
| B3B-447-IX, 470 nm, 2 cd, 20 mA, 15°, 3 mm clear epoxy | | 1,20 | 1,42 |
| LED470-01, 470 nm, 23 mW, 20 mA, ±9°, 5 mm clear epoxy | | 2,07 | 2,45 |
| **475 nm** | | | |
| B56L5111P, 475 nm, 20-30 cd, 50 mA, 15°, 5 mm clear epoxy | | 1,33 | 1,58 |
| RLS-5B475-S, 477 nm, 3.0-4.0 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,25 | 1,48 |

| **LEDs Through Hole \| GREEN \| 490 - 545 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **490 nm** | | | |
| LED490-03, 490 nm, 12 mW, 20 mA, 24°, 5 mm clear epoxy | | 2,07 | 2,45 |
| LED490-33, 490 nm, 8 cd, 12 mW, 20 mA, 28°, 3 mm epoxy | | 2,07 | 2,45 |
| **505 nm** | | | |
| B3B-443-B505, 505 nm, 4 cd, 20 mA, 15°, 3 mm clear epoxy | | 1,05 | 1,25 |
| B5-433-B505, 505 nm, 7.0 cd, 20 mA, 5 mm, 15°, clear epoxy | | 1,05 | 1,25 |
| B5B-433-B505, 505 nm, 8.0 cd, 20 mA, 5 mm, 8°, clear epoxy | | 1,05 | 1,25 |
| ELD-510-524, 507 nm, 15 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,69 | 2,00 |
| **515 nm** | | | |
| LED515-10-30, 515 nm, 10 mW, 20 mA, ±15°, 5 mm clear epoxy | EOL | 1,40 | 1,66 |
| G48A5111P, 515 nm, 100 cd, 50 mA, 15°, 5 mm clear epoxy | | 3,98 | 4,72 |
| **525 nm** | | | |
| B3B-443-B525, 525 nm, 5.5 cd, 20 mA, 15°, 3 mm clear epoxy | | 1,05 | 1,25 |
| B5-433-B525, 525 nm, 7.0-10.0 cd, 20 mA, 5 mm, 15°, clear epoxy | | 1,15 | 1,36 |
| B5B-433-B525, 525 nm, 11.0 cd, 20 mA, 5 mm, 8°, clear epoxy | | 1,05 | 1,25 |
| LED525-01, 525 nm, 20 cd , 9 mW, 20 mA, ±9°, 5 mm clear epoxy | | 2,73 | 3,24 |
| LED525-33, 525 nm, 9 mW at 20 mA, ±14°, 3 mm clear epoxy | | 2,73 | 3,24 |
| G58A5111P, 525 nm, 80-100 cd, 50 mA, 15°, 5 mm clear epoxy | | 2,25 | 2,67 |
| **545 nm** | | | |
| LED545-01, 545 nm, 3.2 mW, 20 mA, ±8°, 5 mm clear epoxy | | 4,73 | 5,61 |
| LED545-04, 545 nm, 3.2 mW, 20 mA, 30°, 5 mm clear epoxy | | 4,73 | 5,61 |
| LED545-06, 545 nm, 3.2 mW, 20 mA, ±3°, 5 mm clear epoxy | | 4,98 | 5,91 |

| LEDs Through Hole \| YELLOW \| 565 - 590 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **565 nm** | | | |
| B5B-433-014, 565 nm, 0.8 cd, 20 mA, 8°, 5 mm clear epoxy | | 0,78 | 0,93 |
| LED565-33U, 565 nm, 0.2 mW, 20 mA, ±26°, 3 mm clear epoxy | | 0,60 | 0,71 |
| LED565-03U, 565 nm, 0.2 mW, 20 mA, ±16°, 5 mm clear epoxy | | 0,60 | 0,71 |
| G7NU5111A, 566 nm, 1.1 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,49 | 1,77 |
| **570 nm** | | | |
| LED570-33, 570 nm, 0.75 mW, 20 mA, ±12°, 3 mm clear epoxy | | 0,62 | 0,74 |
| LED570-03, 570 nm, 0.75 mW, 20 mA, 24°, 5 mm clear epoxy | | 1,62 | 1,92 |
| G8HD3131E, 570 nm, 2.18 cd, 40 mA, 2 chips, 30°, 3 mm clear epoxy | | 1,06 | 1,26 |
| B5B-433-20, 572 nm, 3.0 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,06 | 1,26 |
| B5-433-20, 572 nm, 2.5 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,06 | 1,26 |
| B5-433-20D, 572 nm, 1.7 cd, 20 mA, 30°, 5 mm clear epoxy | | 1,06 | 1,26 |
| **590 nm** | | | |
| B5B-434-TY, 588 nm, 10.0 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,06 | 1,26 |
| CY5111A-WY, 590 nm, 22 cd (max. 25 cd), 20 mA, 15°, 5 mm clear epoxy | | 1,24 | 1,47 |
| Y5CA5111P, 590 nm, 40-55 cd, 70 mA, 15°, 5 mm clear epoxy | | 1,57 | 1,86 |
| 5Y3BCA-H, 590 nm, 4.0-4.5 cd, 20 mA, 20°, 5 mm clear epoxy | EOL | 0,42 | 0,50 |
| LED590-33, 590 nm, 4 mW, 20 mA, 28°, 3 mm clear epoxy | | 0,81 | 0,96 |
| LED590-03, 590 nm, 4 mW, 20 mA, 30°, 5 mm clear epoxy | | 0,81 | 0,96 |

| LEDs Through Hole \| ORANGE \| 600 - 625 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **600 nm** | | | |
| LED600-03, 600 nm, 6.5 cd, 5 mW, 20 mA, 26°, 5 mm clear epoxy | | 1,62 | 1,92 |
| **605 nm** | | | |
| B3B-445-30S, 605 nm, 2.0 cd, 20 mA, 20°, 3 mm clear epoxy | | 1,06 | 1,26 |
| B5-435-30S, 605 nm, 4.0 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,06 | 1,26 |
| B5B-435-30S, 605 nm, 5.0 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,06 | 1,26 |
| O5CA5111P, 605 nm, 40-55 cd, 70 mA, 15°, 5 mm clear epoxy | | 1,82 | 2,16 |
| **610 nm** | | | |
| LED610-03, 610 nm, 7.5 cd, 8 mW, 20 mA, 30°, 5 mm clear epoxy | | 1,17 | 1,39 |
| **615 nm** | | | |
| B3B-445-30, 615 nm, 2.0 cd, 20 mA, 20°, 3 mm clear epoxy | | 1,06 | 1,26 |
| B5-435-30, 615 nm, 4.0 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,06 | 1,26 |
| B5B-435-30, 615 nm, 5.0 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,06 | 1,26 |
| **620 nm** | | | |
| 5RKA5111P, 620 nm, 70-80 cd, 70 mA, 15°, 5 mm clear epoxy | | 1,68 | 1,99 |
| **625 nm** | | | |
| B3B-445-TL, 625 nm, 7 cd, 20 mA, 15°, 3 mm clear epoxy | | 1,06 | 1,26 |
| B5-435-TL, 625 nm, 10 cd, 20 mA, 15°, 5 mm clear epoxy | | 1,06 | 1,26 |
| B5B-435-TL, 625 nm, 12 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,06 | 1,26 |
| LED625-03, 625 nm, 9 mW, 20 mA, 26°, 5 mm clear epoxy | | 0,99 | 1,17 |
| CR5111A-WY, 625 nm, 22 cd (max. 25 cd), 20 mA, 15°, 5 mm clear epoxy | | 1,24 | 1,47 |
| R5CA5111P, 625 nm, 40-55 cd, 70 mA, 15°, 5 mm clear epoxy | | 1,57 | 1,86 |
| 5RAA5111P, 625 nm, 60-75 cd, 60 mA, 15°, 5 mm clear epoxy | | 1,68 | 1,99 |

| LEDs Through Hole \| RED \| 630 - 700 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **630 nm** | | | |
| LED630-03, 630 nm, 12 mW, 20 mA, 28°, 5 mm epoxy | | 1,17 | 1,39 |
| **645 nm** | | | |
| LED645-03, 645 nm, 11 mW, 20 mA, 24°, 5 mm epoxy | | 1,17 | 1,39 |
| **650 nm** | | | |
| ELD-650-523, 650 nm, 1 cd, 20 mA, 20°, 5 mm clear epoxy | | 3,30 | 3,91 |
| **655 nm** | | | |
| RLS-655-3-25, 655 nm, 3 mW, 20 mA, 25°, 5 mm clear epoxy | | 2,30 | 2,73 |
| **660 nm** | | | |
| B3B-446-30, 660 nm, 2.1 cd, 20 mA, 20°, 3 mm clear epoxy | | 1,06 | 1,26 |
| B5B-436-30, 660 nm, 3.5 cd, 20 mA, 8°, 5 mm clear epoxy | | 1,06 | 1,26 |
| B5-436-30D, 660 nm, 1.3 cd, 20 mA, 30°, 5 mm clear epoxy | | 1,06 | 1,26 |
| LED660N-03, 660 nm, 2.4 cd, 15 mW, 20 mA, ±12°, 5 mm clear epoxy | | 1,62 | 1,92 |
| **670 nm** | | | |
| ELD-670-524, 670 nm, 3.5 mW, 20 mA, 20°, 5 mm clear epoxy | | 4,33 | 5,14 |
| LED670-01V, 670 nm, 7 mW, 20 mA, 20°, 5 mm epoxy | | 3,98 | 4,72 |
| **680 nm** | | | |
| LED680-4-30, 680 nm, 4-5 mW, 20 mA, ±15°, 5 mm clear epoxy | | 3,40 | 4,03 |
| LED680-01AU, 680 nm, 25 mW/sr, 4 mW, 20 mA, ±10°, 5 mm clear epoxy | | 3,98 | 4,72 |
| LED680-02AU, 680 nm, 25 mW/sr, 4 mW, 20 mA, ±7°, 5 mm clear epoxy | | 3,98 | 4,72 |
| LED680-33AU, 680 nm, 5.8 mW, 20 mA, ±16°, 3 mm clear epoxy | | 3,80 | 4,51 |
| ELD-680-524, 680 nm, 3.5 mW, 20 mA, 20°, 5 mm clear epoxy | | 1,98 | 2,35 |
| **690 nm** | | | |
| LED690-01AU, 690 nm, 6 mW, 20 mA, ±10°, 5 mm clear epoxy | | 3,80 | 4,51 |
| LED690-03AU, 690 nm, 6 mW, 20 mA, ±10°, 5 mm clear epoxy | | 3,80 | 4,51 |
| LED690-33AU, 690 nm, 6 mW, 20 mA, ±16°, 3 mm clear epoxy | | 3,80 | 4,51 |

| 700 nm | | |
|---|---|---|
| ELD-700-524, 700 nm, 10 mW, 50 mA, 20°, 5 mm clear epoxy | 4,13 | 4,90 |
| IB5-43B8-700, 700 nm, 250 mW/sr, 20 mA, 15°, 5 mm clear epoxy | 3,70 | 4,39 |
| LED700-02AU, 700 nm, 54 mW/sr, 5.5 mW, 20 mA, ±8°, 5 mm clear epoxy | 3,98 | 4,72 |
| LED700-04AU, 700 nm, 21 mW/sr, 5.5 mW, 20 mA, ±19°, 5 mm clear epoxy | 3,98 | 4,72 |
| LED700-33AU, 700 nm, 27 mW/sr, 5.5 mW, 20 mA, ±19°, 3 mm clear epoxy | 3,80 | 4,51 |

# LEDS - THROUGH HOLE - INFRARED

UV-LEDs
different packages: 3 mm and 5 mm clear epoxy,
TO packages and SMD packages

| LEDs Through Hole \| IR \| 710 - 800 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **710 nm** | | | |
| LED710-01AU, 710 nm, 60 mW/sr, 13 mW, 50 mA, ±10°, 5 mm clear epoxy | | 3,80 | 4,51 |
| LED710-04AU, 710 nm, 30 mW/sr, 13 mW, 50 mA, ±20°, 5 mm clear epoxy | EOL | 3,80 | 4,51 |
| LED710-33AU, 710 nm, 30 mW/sr, 13 mW, 50 mA, ±18°, 3 mm clear epoxy | | 3,80 | 4,51 |
| **720 nm** | | | |
| LED720-03AU, 720 nm, 7.0 mW, 20 mA, 18°, 5 mm clear epoxy | | 3,28 | 3,89 |
| ELD-720-524, 720 nm, 7 mW, 20 mA, 20°, 5 mm clear epoxy | | 4,13 | 4,90 |
| LED720-33AU, 720 nm, 7.0 mW, 20 mA, 40°, 3 mm clear epoxy | | 3,28 | 3,89 |
| **730 nm** | | | |
| IB5-43B8-730, 730 nm, 200 mW/sr, 20 mA, 15°, 5 mm clear epoxy | | 3,10 | 3,68 |
| **735 nm** | | | |
| LED735-01AU, 735 nm, 18 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,18 | 3,77 |
| **740 nm** | | | |
| ELD-740-354, 740 nm, 19 mW, 50 mA, 50°, 3 mm clear epoxy | | 3,43 | 4,07 |
| ELD-740-524, 740 nm, 14 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,43 | 4,07 |
| LED740-01AU, 740 nm, 18 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,18 | 3,77 |
| LED740-03AU, 740 nm, 18 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,18 | 3,77 |
| **750 nm** | | | |
| LED750-33AU, 750 nm, 25 mW, 50 mA, 36°, 3 mm clear epoxy | | 3,18 | 3,77 |
| LED750-03AU, 750 nm, 25 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,18 | 3,77 |
| **760 nm** | | | |
| LED760-03AU, 760 nm, 19 mW, 50 mA, ±10°, 5 mm clear epoxy | | 3,18 | 3,77 |
| LED760-05AU, 760 nm, 19 mW, 50 mA, ±55°, 5 mm clear epoxy | | 3,36 | 3,98 |
| LED760-33AU, 760 nm, 27 mW, 50 mA, 36°, 3 mm epoxy | | 3,18 | 3,77 |
| LED760-40M32, 760 nm, 10 mW, 50 mA, 20°, TO-18, ball lens | | 9,12 | 10,82 |
| **765 nm** | | | |
| IB5-43B8-765, 765 nm, 150 mW/sr, 20 mA, 15°, 5 mm clear epoxy | | 3,10 | 3,68 |
| **770 nm** | | | |
| LED770-6-30, 770 nm, 6-7 mW, 20 mA, ±15°, 5 mm clear epoxy | EOL | 2,90 | 3,44 |
| LED770-03AU, 770 nm, 18 mW, 50 mA, ±15°, 5 mm clear epoxy | | 3,18 | 3,77 |
| ELD-770-324, 770 nm, 15 mW, 50 mA, 20°, 3 mm clear epoxy | | 3,43 | 4,07 |
| ELD-770-524, 770 nm, 20 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,43 | 4,07 |
| **780 nm** | | | |
| LED780-03AU, 780 nm, 24 mW, 50 mA, 20°, 5 mm clear epoxy | | 3,18 | 3,77 |
| LED780-33AU, 780 nm, 24 mW, 50 mA, 36°, 3 mm clear epoxy | | 3,18 | 3,77 |
| I2CA5111A, 780 nm, 50 mW, 50 mA, 15°, 5 mm clear epoxy | NEW | 1,82 | 2,16 |
| I2CA3111A, 780 nm, 50 mW, 50 mA, 15°, 3 mm clear epoxy | NEW | 1,82 | 2,16 |
| ELD-780-524, 780 nm, 16 mW, 50 mA, 18°, 40 ns, 5 mm clear epoxy | | 3,43 | 4,07 |
| ELD-780-525, 780 nm, 45 mW, 100 mA, 20°, 20 ns, 5 mm clear epoxy | | 3,43 | 4,07 |
| **800 nm** | | | |
| LED800-01AU, 800 nm, 27 mW, 50 mA, ±17°, 5 mm clear epoxy | | 2,44 | 2,89 |

| LEDs Through Hole \| IR \| 810 - 900 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **810 nm** | | | |
| ELD-810-525, 810 nm, 45 mW, 100 mA, 20°, 5 mm clear epoxy | | 5,23 | 6,20 |
| ELD-810-345, 810 nm, 18 mW, 50 mA, 30°, 3 mm clear epoxy | | 4,37 | 5,18 |
| LED810-03AU, 810 nm, 24 mW, 50 mA, 22°, 5 mm clear epoxy | | 2,54 | 3,01 |
| LED810-33AU, 810 nm, 24 mW, 50 mA, 38°, 3 mm clear epoxy | | 2,54 | 3,01 |
| **820 nm** | | | |
| LED820-01AU, 820 nm, 18 mW, 50 mA, ±10°, 5 mm clear epoxy | | 2,54 | 3,01 |
| **830 nm** | | | |
| IB5-43B8-830, 830 nm, 100 mW/sr, 20 mA, 15°, 5 mm clear epoxy | | 2,40 | 2,85 |
| LED830-03AU, 830 nm, 20 mW, 50 mA, ±15°, 5 mm clear epoxy | | 2,74 | 3,25 |
| LED830-33AU, 830 nm, 27 mW, 50 mA, 36°, 3 mm epoxy | | 2,54 | 3,01 |

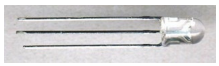
| | | | |
|---|---|---|---|
| **840 nm** | | | |
| LED840-04AU, 840 nm, 20 mW, 50 mA, ±20°, 5 mm clear epoxy | EOL | 2,54 | 3,01 |
| ELD-840-515, 840 nm, 15 mW, 100 mA, 11°, 5 mm clear epoxy | | 3,43 | 4,07 |
| **850 nm** | | | |
| B5B-850-8, 850 nm, 34 mW, 100 mA, ±8°, 5 mm clear epoxy | | 1,82 | 2,16 |
| I3NA5111A, 850 nm, 60 mW/sr, 100 mA, 15°, 5 mm clear epoxy | | 1,52 | 1,80 |
| ELD-850-394, 850 nm, 18 mW, 50 mA, 90°, 3 mm clear epoxy | | 3,60 | 4,27 |
| ELD-850-525, 850 nm, 11 mW, 20 mA, 20°, 5 mm clear epoxy | | 3,60 | 4,27 |
| LED850-03UP, 850 nm, 28 mW, 50 mA, 22°, 5 mm clear epoxy | | 2,21 | 2,62 |
| LED850-05UP, 850 nm, 26 mW, 50 mA, ±40°, 5 mm clear epoxy | | 2,30 | 2,73 |
| **870 nm** | | | |
| LED870-01UP, 870 nm, 24 mW, 50 mA, 20°, 5 mm clear epoxy | | 2,12 | 2,51 |
| LED870F-03U, 870 nm, 22 mW, 50 mA, 30°, 5 mm, tr/tf 15/10ns | | 2,54 | 3,01 |
| LED870-03UP, 870 nm, 28 mW, 50 mA, 22°, 5 mm epoxy | | 2,12 | 2,51 |
| LED870-33UP, 870 nm, 28 mW, 50 mA, 40°, 3 mm epoxy | | 2,12 | 2,51 |
| ELD-870F-515-2, 870 nm, 16 mW, 100 mA, tr/tf 5 ns, 8°, 5 mm epoxy | | 5,25 | 6,23 |
| **880 nm** | | | |
| IR5-XCA880, 880 nm, 65 mW at 100 mA, 20°, 5mm clear epoxy | | 1,99 | 2,36 |
| ELD-880-525, 880 nm, 45 mW, 100 mA, 20°, 5 mm clear epoxy | | 3,43 | 4,07 |
| RLS-IR880, 880 nm, 10 mW/sr, 20 mA, ±20°, 5 mm clear epoxy | | 3,43 | 4,07 |
| LED880-33AU, 880 nm, 25 mW, 50 mA, ±19°, 3 mm clear epoxy | | 2,02 | 2,40 |
| **890 nm** | | | |
| LED890-03AU, 890 nm, 15 mW, 50 mA, ±15°, tr/tf 200/300 ns, 5 mm clear epoxy | | 1,94 | 2,30 |
| LED890-33AU, 890 nm, 15 mW, 50 mA, 40°, 3 mm epoxy | | 1,94 | 2,30 |
| **900 nm** | | | |
| B5B-900-8, 895 nm, 48 mW/sr, 50 mA, 8°, 5 mm clear epoxy | | 2,72 | 3,23 |
| ELD-900-525, 900 nm, 45 mW, 100 mA, 20°, 5 mm clear epoxy | | 5,59 | 6,63 |

| **LEDs Through Hole \| IR \| 910 - 980 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **910 nm** | | | |
| LED910D-01, 910 nm, 13 mW, 50 mA, 22°, 5 mm epoxy | | 2,10 | 2,49 |
| LED910D-33, 910 nm, 13 mW, 50 mA, 30°, 3 mm epoxy | | 2,10 | 2,49 |
| ELD-910-525, 910 nm, 28 mW, 100 mA, 20°, 5 mm clear epoxy | | 3,43 | 4,07 |
| **935 nm** | | | |
| ELD-935-525, 935 nm, 30 mW, 100 mA, 500 ns, 20°, 5 mm clear epoxy | | 4,33 | 5,14 |
| **940 nm** | | | |
| I5LA5113A, 940 nm, 35 mW/sr, 100 mA, 15°, 5 mm transparent epoxy | | 0,89 | 1,06 |
| OPE5594S, 940 nm, 16 mW, 100 mA, 10°, 5 mm clear epoxy | EOL | 0,80 | 0,95 |
| B5B-940-8, 940 nm, 20 mW, 100 mA, ±8°, 5 mm clear epoxy | | 0,99 | 1,17 |
| LED940-06V, 940 nm, 18.0 mW, 150 mW/sr, 50 mA, ±7°, 5 mm clear epoxy | EOL | 1,80 | 2,13 |
| LED940-33, 940 nm, 15 mW, 50 mA , 50°, 3 mm clear epoxy | | 1,38 | 1,64 |
| LED940D-05, 940 nm, 25 mW, 50 mA, 90°, 5 mm clear epoxy | | 1,86 | 2,21 |
| LED940-40K42, 940 nm, 18.0 mW, TO-46, cap lens | EOL | 4,85 | 5,75 |
| **960 nm** | | | |
| ELD-960-525, 960 nm, 20 mW, 100 mA, 20°, 5 mm clear epoxy | | 5,19 | 6,16 |
| **970 nm** | | | |
| LED970-02, 970 nm, 25 mW/sr, 5.5 mW, 50 mA, 14°, 5 mm clear epoxy | EOL | 1,94 | 2,30 |
| LED970-06, 970 nm, 25 mW/sr, 5.5 mW, 50 mA, 14°, 5 mm clear epoxy | EOL | 1,84 | 2,18 |
| LED970D-03, 970 nm, 30 mW, 50 mA, 24°, 5 mm epoxy | | 2,28 | 2,70 |
| LED970D-33, 970 nm, 30 mW, 50 mA, 34°, 3 mm epoxy | | 2,28 | 2,70 |
| **980 nm** | | | |
| LED980-02, 980 nm, 17 mW, 50 mA, 18°, 5 mm clear epoxy | EOL | 1,99 | 2,36 |
| LED980-03, 980 nm, 17 mW, 50 mA, 22°, 5 mm clear epoxy | EOL | 1,99 | 2,36 |
| LED980D-03, 980 nm, 30 mW, 50 mA, ±12°, 5 mm clear epoxy | | 2,52 | 2,99 |
| LED980D-33, 980 nm, 30 mW, 50 mA, 34°, 3 mm epoxy | | 2,28 | 2,70 |

| **LEDs Through Hole \| IR \| 1020 - 1720 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **1020 nm** | | | |
| ELD-1020-525, 1020 nm, 4.0 mW @ 20 mA, tr/tf 20/40 ns, 20°, 5 mm clear epoxy | | 9,12 | 10,82 |
| **1040 nm** | | | |
| DIL5104, 1040 nm, 9 mW, 20 mA, 30°, 5 mm clear epoxy | | 5,40 | 6,40 |
| **1050 nm** | | | |
| LED1050D-03, 1050 nm, 10mW, 50 mA, ±13°, 5 mm clear epoxy | | 9,72 | 11,53 |
| LED1050G-33, 1050 nm, 17 mW, 50 mA, ±21°, 3 mm clear epoxy | | 16,28 | 19,31 |
| LED1050G-03, 1050 nm, 15 mW, 50 mA, ±12°, 5 mm clear epoxy | EOL | 16,28 | 19,31 |
| LED1050-35K42, 1050 nm, 1.5 mW, 50 mA, tr/tf 10 ns, ±6°, TO-46, cap lens | | 16,61 | 19,70 |
| LED1050-35T52, 1050 nm, 1 mW, 50 mA, tr/tf 10 ns, ±55°, TO | | 16,61 | 19,70 |

| | | | |
|---|---|---|---|
| **1060 nm** | | | |
| ELD-1060-525, 1060 nm, 1.6 mW, 20 mA, tr/tf 10ns, 20°, 5 mm clear epoxy | | 9,12 | 10,82 |
| LED1060-03EP, 1060±30 nm, 4.0 mW, 20 mA, 30°, 5 mm clear epoxy | | 13,83 | 16,40 |
| **1070 nm** | | | |
| LED1070-06, 1070 nm, 9 mW, 50 mA, ±10°, 5 mm clear epoxy | EOL | 8,21 | 9,74 |
| LED1070-36, 1070 nm, 9 mW, 50 mA, ±31°, 3 mm clear epoxy | EOL | 8,86 | 10,51 |
| LED1070S-36, 1070 nm, 10.5 mW, 50 mA, 56°, 3 mm clear epoxy | | 10,76 | 12,76 |
| **1200 nm** | | | |
| DIL5120, 1200 nm, 3.5 mW, 20 mA, 30°, 5 mm clear epoxy | | 6,30 | 7,47 |
| ELD-1200-525, 1200 nm, 5 mW, 20 mA, 20°, tr/tf 25/40 ns, 5 mm clear epoxy | | 9,12 | 10,82 |
| LED1200S-03, 1200 nm, 9.2 mW, 50 mA, 28°, 5 mm clear epoxy | | 12,20 | 14,47 |
| LED1200S-35K42, 1200 nm, 6 mW, 50 mA, 20°, TO-46, cap lens | | 15,58 | 18,48 |
| LED1200-35M32, 1200 nm, 5.5 mW, 50 mA, 24°, TO-18, cap lens | | 15,46 | 18,33 |
| **1300 nm** | | | |
| ELD-1300-525, 1300 nm, 5 mW, 20 mA, tr/tf 25/40 ns, 15°, 5 mm clear epoxy | | 8,19 | 9,71 |
| LED1300S-33, 1300 nm, 9 mW, 50 mA, 46°, 3 mm clear epoxy | | 12,20 | 14,47 |
| LED1300D-03, 1300 nm, 10.5 mW, 50 mA, 28°, 5 mm clear epoxy | | 12,60 | 14,94 |
| DIL5130, 1300 nm, 3.5 mW, 20 mA, 30°, 5 mm clear epoxy | | 6,30 | 7,47 |
| LED1300-35M32, 1300 nm, 3 mW, 50 mA, ±15°, TO-46, cap lens | | 15,46 | 18,33 |
| LED1300-35K42, 1300 nm, 2 mW, 50 mA, ±6°, TO-46, cap lens | | 16,61 | 19,70 |
| **1440 nm** | | | |
| DIL5144, 1440 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy | | 6,30 | 7,47 |
| **1450 nm** | | | |
| LED1450-03, 1450 nm, 3 mW, 50 mA, ±12°, 5 mm clear epoxy | EOL | 10,52 | 12,48 |
| LED1450S-03, 1450 nm, 4.8 mW, 50 mA, 28°, 5 mm clear epoxy | | 12,20 | 14,47 |
| LED1450S-33, 1450 nm, 4.8 mW, 50 mA, 46°, 3 mm clear epoxy | | 12,20 | 14,47 |
| LED1450-35K42, 1450 nm, 2.5 mW, 50 mA, 12°, TO-46, cap lens | | 14,97 | 17,75 |
| ELD-1450-525, 1450 nm, 1.8 mW, 20 mA, 20°, 5 mm clear epoxy | | 8,19 | 9,71 |
| **1500 nm** | | | |
| ELD-1500-525, 1500 nm, 3.3 mW, 20 mA, 20°, 5 mm clear epoxy | | 8,19 | 9,71 |
| **1550 nm** | | | |
| ELD-1550-525, 1550 nm, 3.3 mW, 20 mA, tr/tf 25/40 ns, 15°, 5 mm clear epoxy | | 9,12 | 10,82 |
| LED1550S-03, 1550 nm, 3.8 mW, 50 mA, ±13°, 5 mm clear epoxy | | 12,20 | 14,47 |
| LED1550-35M32, 1550 nm, 2.0 mW, 50 mA, ±15°, TO-46 | | 17,10 | 20,28 |
| LED1550S-35K42, 1550 nm, 2.4 mW, 50 mA, 18°, TO-46, cap lens | | 18,18 | 21,56 |
| **1650 nm** | | | |
| DIL5165, 1650 nm, 2 mW, 20 mA, 30°, 5 mm clear epoxy | | 6,30 | 7,47 |
| ELD-1650-525, 1650 nm, 1.5 mW, 20 mA, 20°, 5 mm clear epoxy | | 12,50 | 14,82 |
| LED1650-33, 1650 nm, 2.0 mW, 50 mA, ±21°, 3 mm clear epoxy | EOL | 10,52 | 12,48 |
| LED1650S-03, 1650 nm, 2.3 mW, 50 mA, 24°, 5 mm clear epoxy | EOL | 12,20 | 14,47 |
| **1720 nm** | | | |
| ELD-1720-015, 1720 nm, 1.0 mW, 20 mA, tr/tf 15 ns, 6°, TO-46 with hemisph. lens | | 27,50 | 32,61 |

# LEDS - DUAL WAVELENGTH



series of dual wavelength LEDs
5 mm clear epoxy, contains **2 chip dies**

custom wavelengths available on request

| LEDs Dual Wavelength | Status | EUR / pc | USD / pc |
|---|---|---|---|
| LED505/630-02A, 505/630 nm, 1.3/2.5 mW, 20 mA, ±20°, 5 mm epoxy | | 4,96 | 5,88 |
| LED565/660-04A, 565/660 nm, 0.2/4.0 mW, 20 mA, ±20°, 5 mm epoxy | | o.r. | o.r. |
| LED625/470-3S, 625/470 nm, 8500/4000 mcd @ 20 mA, 30°, 5 mm clear epoxy, 3-Pin | | 1,39 | 1,65 |
| LED625/525-3S, 625/525 nm, 7000/8500 mcd @ 20 mA, 30°, 5 mm clear epoxy, 3-Pin | | 1,39 | 1,65 |
| LED625/570-3S, 625/570 nm, 1600/1100 mcd @ 20 mA, 30°, 5 mm clear epoxy, 3-Pin | | 1,07 | 1,27 |
| LED635/760-04A, 635/760 nm, 1.5/4.0 mW, 20 mA, ±20°, 5 mm epoxy | | 4,96 | 5,88 |
| LED660N/850-04A, 660/850 nm, 12.0/9.2 mW, 20 mA, ±-20°, 5 mm epoxy | | 4,19 | 4,97 |
| LED660/910-04A, 660/910 nm, 4.5/2.5 mW, 20 mA, ±20°, 5 mm epoxy | | o.r. | o.r. |
| LED660N/940-04A, 660/940 nm, 15.0/5.0 mW, 20 mA, ±20°, 5 mm epoxy | | 4,24 | 5,03 |
| LED750/850-04A, 750/850 nm, 15/18 mW, 20 mA, ±20°, 5 mm epoxy | | 3,48 | 4,13 |
| LED750/870-04A, 750/870 nm, 15/22 mW, 20 mA, ±20°, 5 mm epoxy | | 3,97 | 4,71 |
| LED760/850-04A, 760/850 nm, 15/18 mW, 20 mA, ±20°, 5 mm epoxy | | 3,48 | 4,13 |
| LED760/850-05A, 760/850 nm, 24/24 mW, 50 mA, ±40°, flat front surface, 5 mm epoxy | | 3,97 | 4,71 |
| LED760/940-04A, 760/940 nm, 15/14 mW, 20 mA, ±20°, 5 mm epoxy | | o.r. | o.r. |
| LED780/850-05A, 780/850 nm, 17/18 mW, 20 mA, ±40°, flat front surface, 5 mm epoxy | | 3,78 | 4,48 |

# LEDS - SELF MONITORING

LED series in TO18 package
**with integrated monitoring photodiode**
3 pins, sealed with flat glass window

custom wavelengths available on request

| LEDs SELF MONITORING | Status | EUR / pc | USD / pc |
|---|---|---|---|
| LED610-PD010-35D54, 610 nm, 0.8 mW, 20 mA, monitor PD, ±55°, flat glass window, TO-18 | | 32,80 | 38,90 |
| LED780-PD010-40D52, 780 nm, 12 mW, 50 mA, monitor PD, ±55°, flat glass window, TO-18 | | 72,60 | 86,10 |

# LEDS - RESONANT CAVITY

RC-LED (**resonant cavity LED**)
wavelength typ. 650 nm, power 1.0 - 1.5 mW

package: TO-46 flat window, SMD, chip die

| LEDs RC \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RC650-TO46FW, RC-LED, 650 nm, 1.0 mW, 20 mA, 90°, TO-46, flat window | | 15,70 | 18,62 |
| RC650-SMD85, RC-LED, 650 nm, 1 mW, SMD 1.6x0.8x0.6 mm | | 9,45 | 11,21 |
| RC650-C25R, RC-LED chip die 650 nm, Ø25 µm | | o.r. | o.r. |

| LEDs RC MODULE \| 650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

visible 650 nm RC-LED in anodized aluminium
header with adjustable 3-lens glass collimator

ultra narrow beam, very fast, perfect round spot

| | | | |
|---|---|---|---|
| RC-LED-650-02, 650 nm, RC-LED module, 0.2 mW, 5.5 mrad, tr/tf 3 ns, Ø10x18 mm | | 51,80 | 61,43 |

# LEDS - SMD

SMD LEDs
wavelengths from UV to IR

custom wavelengths and packages available on request

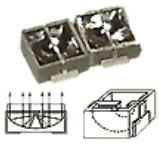
| LEDs SMD \| UV \| 355 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| M5DLS1C1A, warm white, 3000K, 1.3 cd, 20 mA, 120°, SMD 3.2 x 2.8 mm | | 1,20 | 1,42 |
| W5DLS1C1A, white, 10000K, 1.9 cd, 20 mA, 120°, PLCC2 SMD 3.2 x 2.8 mm | | 1,20 | 1,42 |
| RLCU-355, 353-360 nm, typ. 1.3 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm | | 12,89 | 15,29 |
| 360-PLCC2-120, 360 nm, 500 µW, 20 mA, 120°, SMD PLCC, 2.70 x 3.50 x 1.90 mm | EOL | 2,64 | 3,13 |
| XSL-360-SD, 360 nm, 0.9 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm | EOL | 4,29 | 5,09 |
| XSL-365-SD, 365 nm, 1.2 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm | EOL | 4,29 | 5,09 |
| UVLED365-SMD, 365 nm, 3.0 mW, 20 mA, 100°, SMD 3.0x2.0x1.2 mm | EOL | 2,55 | 3,02 |
| UVLED365E-SMD, 365 nm, 5.0 mW, 20 mA, 100°, SMD 3.0x2.0x1.2 mm | | 3,39 | 4,02 |
| RLCU-365, 363-370 nm, typ. 12 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm | | 12,89 | 15,29 |
| XSL-370-SD, 370 nm, 2.0 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm | EOL | 2,39 | 2,83 |
| VL370-3228, 370 nm, 2.0-2.5 mW, 20 mA, 120°, SMD 3.6x2.9x0.8 mm | EOL | 2,60 | 3,08 |
| RLS370SMD0805, 370 nm, 1 mW, 20 mA, 120°, SMD 0805 | EOL | 2,50 | 2,96 |
| XSL-375-SD, 375 nm, 3.5 mW, 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm | EOL | 2,73 | 3,24 |
| RLCU-375, 375-380 nm, typ. 6 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm | | 8,25 | 9,78 |
| UVLED375-SMD, 375 nm, 5.0 mW, 20 mA, 100°, SMD 3.0x2.0x1.2 mm | EOL | 1,79 | 2,12 |
| UVLED375E-SMD, 375 nm, 13 mW, 20 mA, 100°, SMD 3.0x2.0x0.7 mm | | 3,20 | 3,80 |
| RLCU-380, 380-385 nm, typ. 10 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm | | 8,25 | 9,78 |
| RLCU-390, 390-395 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm | | 8,25 | 9,78 |
| RLCU-400, 400-405 nm, typ. 16mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.0 mm | | 8,25 | 9,78 |

| LEDs SMD \| VIOLET \| 405 - 430 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMT405R, 405 nm, 18 mW, 20 mA, 120°, SMD, 3.5x2.7x1.8 mm | | 4,13 | 4,90 |
| RV5-405-SMD, 405 nm, 14 mW, 20 mA, 120°, SMD 3.5x2.8x1.9 mm | | 1,78 | 2,11 |
| RLCU-415, 415-420 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3x2x1 mm | | 2,64 | 3,13 |
| RLCU-420, 420-425 nm, typ. 16 mW, 20 mA, 120°, ceramic SMD, 3x2x1 mm | | 2,58 | 3,06 |
| SMC430, 430 nm, 18 mW, 20 mA, 120°, ceramic SMD, 3.0x2.0x1.1 mm | | 3,10 | 3,68 |
| RLCU-430, 425-435 nm, 8 mW, 30 mA, 120°, ceramic SMD, 3x2x1 mm | | 3,10 | 3,68 |

| LEDs SMD \| BLUE \| 460 - 490 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| RLCU-460, 460 nm, 300 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm | | 3,15 | 3,74 |
| SMC490, 490 nm, 6.8 mW, 20 mA, 128°, ceramic SMD, 3.0x2.0x1.1 mm | | 4,42 | 5,24 |

| LEDs SMD \| GREEN \| 505 - 565 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMT505, 505 nm, 11 mW, 20 mA, 122°, SMD, 3.5x2.7x1.8 mm | | 2,56 | 3,04 |
| RLCU-525, 525 nm, 450 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm | | 1,08 | 1,28 |
| RLCU-545, 545 nm, 900 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm | | 2,64 | 3,13 |
| SMC565, 565 nm, 0.1 mW, 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm | | 1,15 | 1,36 |
| **LEDs SMD \| YELLOW \| 570 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SMC570, 570 nm, 0.2 mW, 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 1,77 | 2,10 |
| SMT570, 570 nm, 0.3 mW, 20 mA, 110°, SMD, 3.5x2.7x1.8 mm | | 1,77 | 2,10 |
| **LEDs SMD \| ORANGE \| 590 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SMT590, 590 nm, 4 mW, 20 mA, 124°, SMD, 3.5x2.7x1.8 mm | | 1,50 | 1,78 |
| RLCU-590, 590 nm, 400 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm | | 1,08 | 1,28 |
| **LEDs SMD \| RED \| 625 - 700 nm** | **Status** | **EUR / pc** | **USD / pc** |
| RLCU-625, 625 nm, 400 mcd at 20mA, 120°, ceramic SMD, 3x2x1mm | | 1,08 | 1,28 |
| SMC630, 630 nm, 0.2 mW, 20 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm | | 1,77 | 2,10 |
| SMC660N, 660 nm, 11 mW, 20 mA, 122°, ceramic SMD, 3.0x2.0x1.1 mm | | 1,77 | 2,10 |
| SMT700, 700 nm, 3 mW, 20 mA, 110°, SMD, 3.5x2.7x1.8 mm | | 4,59 | 5,44 |
| **LEDs SMD \| IR \| 720 - 1650 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SMT720, 720 nm, 8 mW, 50 mA, 110°, SMD, 3.5x2.7x1.8 mm | | 4,59 | 5,44 |
| SMT735, 735 nm, 25 mW, 50 mA, 126°, SMD, 3.5x2.7x1.8 mm | | 3,89 | 4,61 |
| SMT735D/850D, 735/850 nm, 24/23 mW, 50 mA, SMT 2.7x3.5x1.8 mm | | 6,28 | 7,45 |
| ELS-740-994, 740 nm, 6.5 mW, 50 mA, 120°, SMD PLCC 2, TOP LED, 3.5x2.8x1.9 mm | | 3,90 | 4,63 |
| SMT750, 750 nm, 14 mW, 50 mA, 110°, SMD, 3.5x2.7x1.8 mm | | 3,89 | 4,61 |
| SMT750-23, 750 nm, 20 mW, 50 mA, 30°, SMD, 3.5x2.7x3.5 mm | | 4,15 | 4,92 |
| SMC770, 770 nm, 10 mW, 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm | | 4,59 | 5,44 |
| SMT770, 735 nm, 26 mW, 50 mA, 126°, SMD, 3.5x2.7x1.8 mm | | o.r. | o.r. |
| SMT780-27, 780 nm, 24 mW, 50 mA, 54°, SMD, 3.5x2.7x3.2 mm | | 3,34 | 3,96 |
| SMC810, 810 nm, 16 mW, 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm | | 4,24 | 5,03 |
| ELS-810-638, 810 nm, 1.9 x 2.0 mm², 17 mW, 30°, 30 ns, flip chip | | 7,84 | 9,30 |
| SMT850N, 850 nm, 22 mW, 50 mA, 124°, SMD, 3.5x2.7x1.8 mm | | 2,85 | 3,38 |
| SMT850-23, 850 nm, 22 mW, 50 mA, 30°, SMD, 3.5x2.7x3.5 mm | | 2,92 | 3,46 |
| SMT870-23, 870 nm, 22 mW, 50 mA, 30°, SMD, 3.5x2.7x3.5 mm | | 2,92 | 3,46 |
| SMC890, 890 nm, 8 mW, 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm | | 2,56 | 3,04 |
| SMC910, 910 nm, 8.2 mW, 50 mA, 124°, ceramic SMD, 3.0x2.0x1.1 mm | | 2,92 | 3,46 |
| SMC940, 940 nm, 10 mW, 50 mA, 110°, ceramic SMD, 3.0x2.0x1.1 mm | | 1,70 | 2,02 |
| SMT940-23, 940 nm, 16 mW, 50 mA, 36°, SMD, 3.5x2.7x3.5 mm | | 1,41 | 1,67 |
| SMC970, 970 nm, 3.6 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm | | 1,94 | 2,30 |
| SMC1050S, 1050 nm, 7.5 mW, 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 12,43 | 14,74 |
| SMC1200, 1200 nm, 5 mW, 50 mA, 124°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 9,36 | 11,10 |
| SMC1200S, 1200 nm, 6.5 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 12,43 | 14,74 |
| SMC1300, 1300 nm, 3.5 mW, 50 mA, 110°, cer. SMD, 3.0x2.0x1.1 mm | EOL | 9,36 | 11,10 |
| SMC1300S, 1300 nm, 6 mW, 50 mA, 138°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 12,43 | 14,74 |
| SMC1450, 1450 nm, 2 mW, 50 mA, 132°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 9,60 | 11,39 |
| SMC1450S, 1450 nm, 3 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 12,43 | 14,74 |
| SMT1450, 1450 nm, 2 mW, 50 mA, 126°, SMD, 3.5x2.7x1.8 mm | | 13,43 | 15,93 |
| SMC1550S, 1550 nm, 2.2 mW, 50 mA, 136°, ceramic SMD, 3.0x2.0x1.1 mm | EOL | 12,43 | 14,74 |

| ACCESSORIES FOR SMD3020 LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **PCB boards** to get your SMD 3020 LEDs mounted easily! | | | |
| PCB-SMD3020, PCB for SMD 3020 LEDs, Al, white, 15.0x15.0x1.1 mm | | 5,90 | 7,00 |

| SMD REFLECTOR LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  surface emitting SMD LED<br>narrow beam, ultra high brightness, high flux,<br>**integrated parabolic reflector** design, small size<br><br>base size: 6 x 6 x 3 mm³ | | | |
| TOLATB004, blue, 460 nm, 27 cd, 20 mA, Vf 3.5V, ±9° | EOL | 5,61 | 6,65 |
| TOLATG004, green, 530 nm, 27 cd, 20 mA, Vf 3.5V, ±9° | EOL | 5,61 | 6,65 |
| TOLATR002, red, 625 nm, 15 cd, 20 mA, Vf 2.1V, ±9° | EOL | 5,61 | 6,65 |
| TOLAIR002A, IR, 880 nm, 300 mW/sr, 100 mA, Vf 1.4V, ±9° | EOL | 5,61 | 6,65 |

| 4-PIN / PIRANHA LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|

high flux LED series
If: 20 mA, +/-45° angle
clear epoxy package

base size: 7.6 x 7.6 mm²

| | | | |
|---|---|---|---|
| 3B1S2HCA, blue, 470 nm, 1.0-1.4 cd, 20 mA, Vf <3.6 V, ±45° | EOL | 0,40 | 0,47 |
| 3G1S2HCA, green, 522 nm, 2-3 cd, 20 mA, Vf <3.6 V, ±45° | EOL | 0,56 | 0,66 |
| 3Y1S2HCA, yellow, 590 nm, 0.7-0.9 cd, 20 mA, Vf <2.1 V, ±45° | EOL | 0,22 | 0,26 |
| 3R1S2HCA, red, 622 nm, 0.7-0.9 cd, 20 mA, Vf <2.1 V, ±45° | EOL | 0,22 | 0,26 |
| 3RGB13HCA, RGB, 620 / 520 / 460 nm, 2 / 3.5 / 1.25 lm, 3 x 20 mA, ±45° | EOL | 0,91 | 1,08 |

# LEDS - BARE CHIP DIES

**LED BARE CHIP DIES**
available as bare chip die and on AlN submount

- chip material: AlGaN based
- AlN submount
- Output Power up to 75 mW

310 - 1720 nm

| LEDs Bare Chip Dies \| DEEP-UV \| 310 - 340 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| DUV310-CL, 308 ±5 nm, 70 mW, 350 mA, 1000 x 1000 µm, bare chip die | | o.r. | o.r. |
| DUV325-CL, 325 ±5 nm, 62 mW, 350 mA, 1000 x 1000 µm, bare chip die | | o.r. | o.r. |
| DUV340-CL, 340 ±5 nm, 70 mW, 350 mA, 1000 x 1000 µm, bare chip die | | o.r. | o.r. |
| **LEDs Bare Chip Dies \| UV \| 355 - 395 nm** | **Status** | **EUR / pc** | **USD / pc** |
| C355-2SR1, 355 nm, 0.5-1.0 mW, @ 20 mA, size 280 x 280 µm | | 15,43 | 18,30 |
| C360-2SR1, 360 nm, 0.5-1.0 mW, @ 20 mA, size 280 x 280 µm | | 14,25 | 16,90 |
| C365-2SR2, 365 nm, 1.0-1.5 mW, @ 20 mA, size 280 x 280 µm | | 10,03 | 11,90 |
| C365-5SRA, 365 nm, 3.5-5.0 mW, @ 20 mA, size 350 x 360 µm | | 11,58 | 13,73 |
| C365-3SRA3, 365 nm, 15-20 mW, @ 100 mA, size 600 x 600 µm | | 17,34 | 20,56 |
| C370-2SR4, 370 nm, 2.0-2.5 mW, @ 20 mA, size 280 x 280 µm | | 9,25 | 10,97 |
| C370-5SRA, 370 nm, 4.0-5.5 mW, @ 20 mA, size 350 x 360 µm | | 10,60 | 12,57 |
| C370-3SRA4, 370 nm, 20-25 mW, @ 100 mA, size 600 x 600 µm | | 15,43 | 18,30 |
| C375-2SR10, 375 nm, 5.0-5.5 mW, @ 20 mA, size 280 x 280 µm | | 8,88 | 10,53 |
| C375-5SRA, 375 nm, 6.0-7.5 mW, @ 20 mA, size 350 x 360 µm | | 10,58 | 12,55 |
| C375-3SRA6, 375 nm, 30-35 mW, @ 100 mA, size 600 x 600 µm | | 15,43 | 18,30 |
| C385-5SRA, 385 nm, 8.0-9.5 mW, @ 20 mA, size 350 x 360 µm | | 9,65 | 11,44 |
| C395-5SRA, 395 nm, 12-16 mW, @ 20 mA, size 350 x 360 µm | | 7,70 | 9,13 |
| ELC-395-34, 395 nm, 5 mW @ 20 mA, size 331 x 331 µm | | 3,12 | 3,70 |
| **LEDs Bare Chip Dies \| VIS \| 405 - 700 nm** | **Status** | **EUR / pc** | **USD / pc** |
| C405-5SRA, 405 nm, 13-17 mW, @ 20 mA, size 350 x 360 µm | | 7,70 | 9,13 |
| ELC-405-34, 405 nm, 30 mW @ 20 mA, size 331 x 331 µm | | 3,12 | 3,70 |
| ELC-410-34, 410 nm, 5 mW @ 20 mA, size 331 x 331 µm | | 3,12 | 3,70 |
| ELC-420-34, xxx nm, xx mW @ xx mA, size xxx x xxx µm | | 3,12 | 3,70 |
| ELC-430-34, 430 nm, 16 mW @ 20 mA, size 331 x 331 µm | | 3,12 | 3,70 |
| ELC-455-34, 460 nm, 23 mW @ 20 mA, size 505 x 205 µm | | 3,12 | 3,70 |
| ELC-470-34E, 470 nm, 400 mcd @ 20 mA, size 300 x 200 µm | | 3,12 | 3,70 |
| ELC-505-34, 505 nm, 400 mcd @ 20 mA, size 381 x 381 µm | | 3,12 | 3,70 |
| ELC-525-34, 525 nm, 9 mW @ 20 mA, size 380 x 380 µm | | 3,12 | 3,70 |
| ELC-565-10, 565 nm, 60 mcd @ 20 mA, size 265 x 265 µm | | 3,12 | 3,70 |
| ELC-572-13, 572 nm, 30 mcd @ 20 mA, size 295 x 295 µm | | 3,12 | 3,70 |
| ELC-590-13, 590 nm, 200 mcd @ 20 mA, size 265 x 265 µm | | 3,12 | 3,70 |
| ELC-610-14, 610 nm, 200 mcd @ 20 mA, size 295 x 295 µm | | 3,12 | 3,70 |
| ELC-630-15, 630 nm, 600 mcd @ 20 mA, size 350 x 350 µm | | 3,12 | 3,70 |
| ELC-650-24, 650 nm, 1.2 mW @ 20 mA, size 300 x 300 µm | | 3,12 | 3,70 |
| ELC-660-23-1, 660 nm, 1.8 mW @ 20 mA, size 280 x 280 µm | | 3,12 | 3,70 |
| ELC-670-25, 670 nm, 2.5 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| ELC-690-25, 690 nm, 2.8 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| ELC-690-27, 690 nm, 2.8 mW @ 20 mA, size 360 x 360 µm | | 3,12 | 3,70 |
| ELC-700-25, 700 nm, 3 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| C700-1X1, 700 nm, size 1x1 mm, LED chip die | | 2,76 | 3,27 |
| **LEDs Bare Chip Dies \| VIS \| 730 - 1720 nm** | **Status** | **EUR / pc** | **USD / pc** |
| ELC-730-25, 730 nm, 3 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| ELC-740-25, 740 nm, 2.8 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| ELC-760-25, 760 nm, 2.5 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| ELC-770-25, 770 nm, 2.7 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| ELC-800-25, 800 nm, 4 mW @ 20 mA, size 325 x 325 µm | | 3,12 | 3,70 |
| C810-1X1, 810 nm, size 1x1 mm, LED chip die | | 2,54 | 3,01 |
| ELC-830-17, 830 nm, 4.5 mW @ 20 mA, size 365 x 365 µm | | 3,12 | 3,70 |
| ELC-850-27, 830 nm, 6.5 mW @ 20 mA, size 365 x 365 µm | | 3,12 | 3,70 |

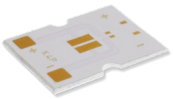
| | | |
|---|---|---|
| ELC-870-17-2, 875 nm, 6 mW @ 20 mA, size 360 x 360 µm | 3,12 | 3,70 |
| ELC-870-27, 870 nm, 6.5 mW @ 20 mA, size 365 x 365 µm | 3,12 | 3,70 |
| ELC-905-17, 905 nm, 4 mW @ 20 mA, size 365 x 365 µm | 3,12 | 3,70 |
| ELC-910-17, 910 nm, 8 mW @ 20 mA, size 365 x 365 µm | 3,12 | 3,70 |
| ELC-935-17, 935 nm, 2.5 mW @ 20 mA, size 365 x 365 µm | 3,12 | 3,70 |
| ELC-970-17, 970 nm, 2 mW @ 20 mA, size 365 x 365 µm | 3,12 | 3,70 |
| ELC-980-17-1, 980 nm, 2 mW @ 20 mA, size 365 x 365 µm | 3,12 | 3,70 |
| ELC-1020-17, 1020 nm, 3 mW @ 100 mA, size 365 x 365 µm | 5,99 | 7,10 |
| C1050H1-S, 1000-1100 nm, 35 mW, 500 mA, <1.3 V, 970x970 µm, InGaAsP, LED chip die | o.r. | o.r. |
| ELC-1060-17-1, 1060 nm, 4 mW @ 50 mA, size 365 x 365 µm | 5,99 | 7,10 |
| C1200H1-S, 1150-1250 nm, 39 mW, 500 mA, <1.2 V, 970x970 µm, InGaAsP, LED chip die | o.r. | o.r. |
| ELC-1300-27, 1290 nm, 19.5 mW @ 100 mA, size 350 x 350 µm | 13,00 | 15,42 |
| C1300H1-S, 1250-1350 nm, 32 mW, 500 mA, <1.2 V, 970x970 µm, InGaAsP, LED chip die | o.r. | o.r. |
| C1450H1-S, 1400-1500 nm, 20 mW, 500 mA, <1.0 V, 970x970 µm, InGaAsP, LED chip die | o.r. | o.r. |
| ELC-1460-27, 1450 nm, 3.8 mW @ 20 mA, size: 350 x 350 µm | 13,00 | 15,42 |
| ELC-1550-27E, 1550 nm, 7 mW @ 100 mA, size 350 x 350 µm | 9,45 | 11,21 |
| C1550H1-S, 1500-1600 nm, 17 mW, 500 mA, <1.0 V, 970x970 µm, InGaAsP, LED chip die | o.r. | o.r. |
| ELC-1650-17-1, 1650 nm, 2.5 mW @ 100 mA, size 360 x 360 µm | 7,80 | 9,25 |
| ELC-1650-27, 1650 nm, 1.9 mW @ 20 mA, size 350 x 350 µm | 13,00 | 15,42 |
| C1650H1-S, 1600-1700 nm, 11 mW, 500 mA, <1.0 V, 970x970 µm, InGaAsP, LED chip die | o.r. | o.r. |
| ELC-1720-17, 1720 nm, 2.8 mW @ 100 mA, size 360 x 360 µm | 10,40 | 12,33 |

# HIGH POWER LEDS - SMD - DEEP UV

**single emitter DEEP-UV LEDs SMD**

- **reflow solderable**
- for industrial processing
- **water purification / desinfection / phototherapy**
  **DNA sequencing, Blood Gas Measurements**

| SMD High Power LEDs \| DEEP-UV \| 255 - 340 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **255 nm** | | | |
| UVTOP250H-FW-SMD, 255 ±5 nm, 3.5 mW, 100 mA, ±60°, ceramic SMD 3535, flat window | | 159,00 | 188,57 |
| **270 nm** | | | |
| UVR270-SC3, 270 ±5 nm, 3 mW, 50 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens | | 7,60 | 9,01 |
| UVR270-SC3P, 270 ±5 nm, 4 mW, 50 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens | | 9,10 | 10,79 |
| UVR270-SC12, 270 ±5 nm, 3 mW, 50 mA, ±60°, SMD, 4.5 x 4.5 mm, flat window | | 7,60 | 9,01 |
| UVR270-SC12P, 270 ±5 nm, 3 mW, 50 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window | | 9,10 | 10,79 |
| UVR270-SA3, 270 ±5 nm, 10 mW, 150 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens | | 8,95 | 10,61 |
| UVR270-SA3P, 270 ±5 nm, 10 mW, 150 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens | | 10,20 | 12,10 |
| **275 nm** | | | |
| GD35R-275Z-F, 270-280 nm, 14 mW, 150 mA, 3535 SMD, flat window | | 4,20 | 4,98 |
| UVTOP270-FW-SMD, 275 ±5 nm, 3 mW, 30 mA, ±60°, ceramic SMD 3535, flat window | | 13,20 | 15,65 |
| UVTOP270H-FW-SMD, 275 ±5 nm, 11.5 mW, 100 mA, ±63°, ceramic SMD 3535, flat window | | 24,70 | 29,29 |
| CUD8AF1C, 275 ±5 nm, 3 mW, 30 mA, ±58°, aluminium SMD, 6.4 x 6.4 mm, flat window | | 15,13 | 17,94 |
| CUD8AF1D, 275 ±5 nm, 19 mW, 200 mA, ±60°, aluminium SMD, 6.4 x 6.4 mm, flat window | | 24,65 | 29,23 |
| CUD8AF4C, 275 ±5 nm, 13 mW, 120 mA, multi chip, ±60°, aluminium SMD, 6.4 x 6.4 mm, flat window | | 65,45 | 77,62 |
| CUD8AF4D, 275 ±5 nm, 50 mW, 600 mA, multi chip, ±60°, aluminium SMD, 6.4 x 6.4 mm, flat window | EOL | 89,25 | 105,85 |
| **280 nm** | | | |
| UVR280-SC3, 280 ±5 nm, 3 mW, 50 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens | | 7,60 | 9,01 |
| UVR280-SC3P, 280 ±5 nm, 3 mW, 50 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens | | 9,10 | 10,79 |
| UVR280-SC12, 280 ±5 nm, 3 mW, 50 mA, ±60°, SMD, 4.5 x 4.5 mm, flat window | | 7,60 | 9,01 |
| UVR280-SC12P, 280 ±5 nm, 3 mW, 50 mA, ±60°, SMD on hex. PCB, dia. 21 mm, flat window | | 9,10 | 10,79 |
| UVR280-SA3, 280 ±5 nm, 10 mW, 150 mA, ±15°, SMD, 4.5 x 4.5 mm, hemisph. lens | | 8,95 | 10,61 |
| UVR280-SA3P, 280 ±5 nm, 10 mW, 150 mA, ±15°, SMD on hex. PCB, dia. 21 mm, hemisph. lens | | 10,20 | 12,10 |
| **295 nm** | | | |
| DUV295-SD356LN, 295 ±5 nm, 40 mW, 600 mA, ±16°, ceramic SMD 3535, quartz lens | EOL | 145,71 | 172,81 |
| **310 nm** | | | |
| GD35R-310Z-F, 310-315 nm, 40mA, 3 mW, 3535 SMD, flat window | | 3,70 | 4,39 |
| UVTOP305-FW-SMD, 310 ±5 nm, 1.2 mW, 20 mA, ±60°, ceramic SMD 3535 | | 13,77 | 16,33 |
| UVTOP305H-FW-SMD, 310 ±5 nm, 7 mW, 150 mA, ±60°, ceramic SMD 3535 | EOL | 21,80 | 25,85 |
| DUV310-SD351EN, 308 ±5 nm, 16 mW, 100 mA, ±17.5°, ceramic SMD 3535, quartz lens | | 76,10 | 90,25 |
| DUV310-SD351EL, 308 ±5 nm, 18 mW, 100 mA, ±30°, ceramic SMD 3535, quartz lens | | 76,10 | 90,25 |
| DUV310-SD351EV, 308 ±5 nm, 19 mW, 100 mA, ±60°, ceramic SMD 3535, flat window | | 64,80 | 76,85 |
| DUV310-SD353EL, 308 ±5 nm, 47 mW, 350 mA, 70°, ceramic SMD 3535, quartz lens | | 84,20 | 99,86 |
| DUV310-SD353EN, 308 ±5 nm, 43 mW, 350 mA, 35°, ceramic SMD 3535, quartz lens | | 84,20 | 99,86 |
| DUV310-SD353EV, 308 ±5 nm, 50 mW, 350 mA, 120°, ceramic SMD 3535, flat window | | 71,30 | 84,56 |
| CUD1AF1C, 310 ±5 nm, 1.8 mW, 30 mA, ±58°, aluminium SMD, 6.4 x 6.4 mm, flat window | | 16,66 | 19,76 |
| CUD1AF4D, 310 ±5 nm, 20 mW, 600 mA, ±60°, multi chip, aluminium SMD, 6.4 x 6.4 mm, flat window | | 88,74 | 105,24 |
| **325 nm** | | | |
| DUV325-SD351EN, 325 ±5 nm, 13 mW, 100 mA, ±17.5°, ceramic SMD 3535, quartz lens | | 76,10 | 90,25 |
| DUV325-SD351EL, 325 ±5 nm, 14 mW, 100 mA, ±30°, ceramic SMD 3535, quartz lens | | 76,10 | 90,25 |
| DUV325-SD351EV, 325 ±5 nm, 14 mW, 100 mA, ±60°, ceramic SMD 3535, flat window | | 64,80 | 76,85 |
| DUV325-SD353EL-03, 325 ±5 nm, 55 mW, 350 mA, 70°, ceramic SMD 3535, quartz lens | NEW | 84,20 | 99,86 |
| DUV325-SD353EN-03, 325 ±5 nm, 50 mW, 350 mA, 35°, ceramic SMD 3535, quartz lens | NEW | 84,20 | 99,86 |
| DUV325-SD353EV-03, 325 ±5 nm, 60 mW, 350 mA, 120°, ceramic SMD 3535, flat window | NEW | 71,30 | 84,56 |
| **340 nm** | | | |
| DUV340-SD351EN, 340 ±5 nm, 14 mW, 100 mA, ±15°, ceramic SMD 3535, quartz lens | | 76,10 | 90,25 |
| DUV340-SD351EL, 340 ±5 nm, 14 mW, 100 mA, ±27.5°, ceramic SMD 3535, quartz lens | | 76,10 | 90,25 |
| DUV340-SD351EV, 340 ±5 nm, 14 mW, 100 mA, ±60°, ceramic SMD 3535, flat window | | 64,80 | 76,85 |
| DUV340-SD353EL-03, 340 ±5 nm, 85 mW, 350 mA, 70°, ceramic SMD 3535, quartz lens | NEW | 84,20 | 99,86 |
| DUV340-SD353EN-03, 340 ±5 nm, 80 mW, 350 mA, 35°, ceramic SMD 3535, quartz lens | NEW | 84,20 | 99,86 |
| DUV340-SD353EV-03, 340 ±5 nm, 90 mW, 350 mA, 120°, ceramic SMD 3535, flat window | NEW | 71,30 | 84,56 |

| ACCESSORIES FOR SMD3535 LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  **Copper circuit PCB boards** for DUV3xx LEDs | | | |
| SD35-PCB, PCB for DUV-SD35 series, 15 x 20 x1.0 mm | | 6,50 | 7,71 |

# HIGH POWER LEDS - SMD - UV

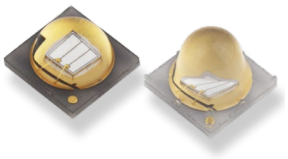
**high power UV-LED**

- ceramic SMD package
- integrated Zener diode (ESD protection)
- glass window

365 nm - 385 nm

| SMD High Power LEDs \| UV \| 365 - 385 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| UVLED-365-750-SMD, 365 nm, typ. 750 mW, 500 mA, Vf typ. 3.8 V, 120°, 6.8 x 6.8 x 2.1 mm | | 21,90 | 25,97 |
| UVLED-385-800-SMD, 385 nm, typ. 800 mW, 500 mA, Vf typ. 3.6 V, 120°, 6.8 x 6.8 x 2.1 mm | | 19,95 | 23,66 |
| UVLED-385-1200-SMD, 385 nm, typ. 1.2 W, 500 mA, Vf typ 14.8 V, 120°, 6.8x6.8x1.84 mm | EOL | 60,00 | 71,16 |
| UVLED-385-2400-SMD, 385 nm, typ. 2.4 W, 500 mA, Vf typ 14.8 V, 120°, 6.8x6.8x1.84 mm | EOL | 73,50 | 87,17 |

| SMD High Power LEDs \| UV - BLUE \| 365 - 420 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|



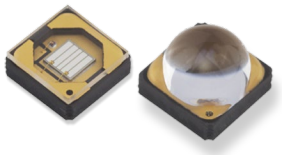
**single emitter high power UV-LED**

- ceramic SMD package
- high thermal conductivity
- silicone dome lens

365 nm - 420 nm

| | | | |
|---|---|---|---|
| CUN66A1F, 365 nm, 420 mW, 250 mA, Vf typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm | | o.r. | o.r. |
| CUN66A1B, 365 nm, 1000 mW, 500 mA, Vf typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm | | 9,63 | 11,42 |
| CUN66B1B, 365 nm, 1000 mW, 500 mA, Vf typ. 3.6 V, 45°, 3.5 x 3.5 x 2.8 mm | | 7,99 | 9,48 |
| CUN66A1G, 365 nm, 1850 mW, 1 A, Vf typ. 3.7 V, 120°, 3.5 x 3.5 x 2.0 mm | | 8,33 | 9,88 |
| CUN66B1G, 365 nm, 1850 mW, 1 A, Vf typ. 3.7 V, 65°, 3.5 x 3.5 x 2.8 mm | | 7,91 | 9,38 |
| CUN86A1B, 385 nm, 1200 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm | | 11,05 | 13,10 |
| CUN86B1B, 385 nm, 1160 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm | | 10,54 | 12,50 |
| CUN86A1G, 385 nm, 2150 mW, 1 A, Vf typ. 3.6 V, 120°, 3.5 x 3.5 x 2.0 mm | | o.r. | o.r. |
| CUN86B1G, 385 nm, 2050 mW, 1 A, Vf typ. 3.6 V, 65°, 3.5 x 3.5 x 2.8 mm | | 5,80 | 6,88 |
| CUN96A1B, 395 nm, 1250 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm | | 6,89 | 8,17 |
| CUN96B1B, 395 nm, 1250 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm | | 6,89 | 8,17 |
| CUN96A1G, 395 nm, 2100 mW, 1 A, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm | | o.r. | o.r. |
| CUN96B1G, 395 nm, 2050 mW, 1 A, Vf typ. 3.5 V, 65°, 3.5 x 3.5 x 2.8 mm | | o.r. | o.r. |
| CUN06A1B, 405 nm, 1160 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm | | 6,89 | 8,17 |
| CUN06B1B, 405 nm, 1160 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm | | 6,89 | 8,17 |
| CUN06A1G, 405 nm, 2050 mW, 1 A, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm | | 6,92 | 8,21 |
| CUN06B1G, 405 nm, 2050 mW, 1 A, Vf typ. 3.5 V, 65°, 3.5 x 3.5 x 2.8 mm | | 6,92 | 8,21 |
| CUN26A1B, 420 nm, 1000 mW, 500 mA, Vf typ. 3.5 V, 120°, 3.5 x 3.5 x 2.0 mm | | 6,89 | 8,17 |
| CUN26B1B, 420 nm, 1040 mW, 500 mA, Vf typ. 3.5 V, 45°, 3.5 x 3.5 x 2.8 mm | | 5,87 | 6,96 |

| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|



**single emitter high power UV-LED**

- ceramic SMD package
- high thermal conductivity
- silicone lens

365 nm - 405 nm

| | | | |
|---|---|---|---|
| CUN6GF1A, 365 nm, 1400 mW, 1 A, ±60°, flat window, 3.7V, 3.5 x 3.5 x 1.1 mm | | 6,60 | 7,83 |
| CUN6GB1A, 365 nm, 1400 mW, 1 A, ±30°, 3.7V, dome lens, 3.5 x 3.5 x 2.5 mm | | 17,51 | 20,77 |
| CUN8GF1A, 385 nm, 1650 mW, 1 A, ±60°, 3.6V, flat window, 3.5 x 3.5 x 1.1 mm | | 14,79 | 17,54 |
| CUN8GB1A, 385 nm, 1650 mW, 1 A, ±30°, 3.6V, dome lens, 3.5 x 3.5 x 2.5 mm | | 9,15 | 10,85 |
| CUN9GF1A, 395 nm, 1700 mW, 1 A, ±60°, flat window, 3.5 x 3.5 x 1.1 mm | | 15,13 | 17,94 |
| CUN9GB1A, 395 nm, 1700 mW, 1 A, ±30°, 3.5V, dome lens, 3.5 x 3.5 x 2.5 mm | | 14,28 | 16,94 |
| CUN0GF1A, 405 nm, 1600 mW, 1 A, ±60°, flat window, 3.5 x 3.5 x 1.1 mm | | 15,64 | 18,55 |
| CUN0GB1A, 405 nm, 1630 mW, 1 A, ±30°, dome lens, 3.5 x 3.5 x 2.5 mm | | 9,15 | 10,85 |

| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

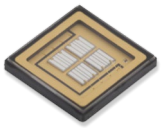
**single emitter high power UV-LED**

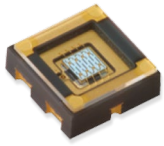
- ceramic SMD package
- integrated Zener diode (ESD protection)
- glass lens

365 nm - 405 nm

| | | | |
|---|---|---|---|
| UVLED-365-NV2, 365 nm, 1430 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm | | 29,95 | 35,52 |
| UVLED-365-NV2D, 365 nm, 1430 mW, 1.0 A, ±30°, dome lens, 3.5 x 3.5 x 2.73 mm | | 32,55 | 38,60 |
| UVLED-385-NV2, 385 nm, 1730 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm | | 28,35 | 33,62 |
| UVLED-385-NV2D, 385 nm, 1730 mW, 1.0 A, ±30°, dome lens, 3.5 x 3.5 x 2.73 mm | EOL | 32,55 | 38,60 |
| UVLED-395-NV2, 395 nm, 1400 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm | | 28,35 | 33,62 |
| UVLED-405-NV2, 405 nm, 1400 mW, 1.0 A, ±60°, flat window, 3.5 x 3.5 x 1.23 mm | | 28,35 | 33,62 |
| UVLED-405-NV2D, 405 nm, 1400 mW, 1.0 A, ±30°, dome lens, 3.5 x 3.5 x 2.73 mm | | 32,55 | 38,60 |

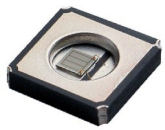
| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **high power UV-LED** - aluminium SMD package - integrated ESD protection - UV transparent flat window 365 nm - 405 nm | | | |
| CUN6AF1B, 365 nm, 690 mW, 500 mA, ±60°, 3.8V, flat window, aluminium SMD, 6.4x6.4x1.4 mm | | 17,85 | 21,17 |
| CUN8AF4A, 385 nm, 3.75 W, 1 A, Vf typ. 7.4 V, multi chip, 110°, 6.35 x 6.35 x 1.4 mm | | 28,73 | 34,07 |
| CUN9AF4A, 395 nm, 3.75 W, 1 A, Vf typ. 7.4 V, multi chip, 110°, 6.35 x 6.35 x 1.4 mm | EOL | 32,98 | 39,11 |
| CUN0AF1B, 405 nm, 850 mW, 500 mA, 3.6 V, 110°, flat window, aluminium SMD, 6.3x6.3x1.4 mm | | 17,85 | 21,17 |

| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  **4 chip emitter high power UV-LED** - aluminium SMD package - glass window - **highest output power** 365 nm - 405 nm | | | |
| CUN6HF4A, 365 nm, 4.3 W, 3 A, Vf typ. 3.7 V, multi chip, 115°, 6.8 x 6.8 x 1.0 mm | EOL | 51,60 | 61,20 |

| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  **single emitter high power UV-LED** - ceramic SMD package - integrated Zener diode (ESD protection) - glass window - **highest output power** | | | |
| UVLED-365-NV3B, 365 nm, 4900 mW, 3.5 A, ±60°, 6.8 x 6.8 x 1.9 mm | | 179,00 | 212,29 |
| UVLED-385-NV3B, 385 nm, 5500 mW, 3.5 A, ±60°, 6.8 x 6.8 x 1.9 mm | | 179,00 | 212,29 |

| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **single emitter high power UV-LED** - ceramic SMD package - integrated ESD protection - silicon resin lens 365 nm - 405 nm | | | |
| UVLED-365-NV1, 365 nm, 780 mW, 500 mA, ±65°, 3.5 x 3.5 x 1.23 mm | | 12,50 | 14,82 |
| UVLED-375-NV1, 375 nm, 1160 mW, 700 mA, ±65°, 3.5 x 3.5 x 1.23 mm | | 6,25 | 7,41 |
| UVLED-385-NV1, 385 nm, 1340 mW, 700 mA, ±65°, 3.5 x 3.5 x 1.23 mm | | 6,25 | 7,41 |
| UVLED-395-NV1, 395 nm, 1340 mW, 700 mA, ±65°, 3.5 x 3.5 x 1.23 mm | | 6,25 | 7,41 |
| UVLED-405-NV1, 405 nm, 1420 mW, 700 mA, ±70°, 3.5 x 3.5 x 1.23 mm | | 6,25 | 7,41 |

| SMD High Power LEDs \| UV - VIOLET \| 365 - 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **single emitter high power UV-LED** - ceramic SMD package - integrated ESD protection - silicon resin 365 nm - 405 nm | | | |
| UVLED-365-NC2, 365 nm, 150 mW, 500 mA, ±60°, 3.5 x 3.5 x 0.88 mm | | 3,75 | 4,45 |
| UVLED-375-NC2, 375 nm, 275 mW, 500 mA, ±60°, 3.5 x 3.5 x 0.88 mm | | 3,75 | 4,45 |
| UVLED-385-NC2, 385 nm, 350 mW, 500 mA, ±60°, 3.5 x 3.5 x 0.88 mm | | 3,75 | 4,45 |
| UVLED-395-NC2, 395 nm, 360 mW, 500 mA, ±60°, 3.5 x 3.5 x 0.88 mm | | 3,75 | 4,45 |
| UVLED-405-NC2, 405 nm, 370 mW, 500 mA, ±60°, 3.5 x 3.5 x 0.88 mm | | 3,75 | 4,45 |

| SMD High Power LEDs \| UV - IR \| 365 - 1050 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  high radiation intensity surface mount LED on AlN ceramics submount, silver plated soldering pads, lead free solderable, RoHs compliant, $T_{op}$ -40 ... +85 °C | | | |
| RLCU-440-365, 365-370 nm, 40-90 mW, 350 mA, Vf 4.0V, 120°, 3.8 x 3.8 x 0.9 mm | | 64,60 | 76,61 |
| RLCU-440-380, 380-385 nm, 90-160 mW, 350 mA, Vf 4.0V, 120°, 3.8 x 3.8 x 0.9 mm | | 32,80 | 38,90 |
| RLCU-440-390, 390-395 nm, 130-260 mW, 350 mA, Vf 4.0V, 120°, 3.8 x 3.8 x 0.9 mm | | 23,90 | 28,34 |
| RLCU-440-400, 400-405 nm, 190-310 mW, 350 mA, Vf 4.0V, 120°, 3.8 x 3.8 x 0.9 mm | | 20,40 | 24,19 |
| RLCU-440-410, 410-415 nm, typ.250 mW, 350 mA, Vf 4.0V, 120°, 3.8 x 3.8 x 0.9 mm | | 28,50 | 33,80 |
| RLCU-440-415, 415-420 nm, typ.250 mW, 350 mA, Vf 4.0V, 120°, 3.8 x 3.8 x 0.9 mm | | 28,50 | 33,80 |
| RLCU-440-720, 720 nm, 30-50 mW/sr, 350 mA, 120°, 3.8 x 3.8 x 0.9 mm | | 12,00 | 14,23 |
| RLCU-440-880, 880 nm, 20-30 mW/sr, 350 mA, 120°, 3.8 x 3.8 x 0.9 mm | | 12,00 | 14,23 |
| RLCU-440-970, 970 nm, typ.9 mW/sr, 350 mA, 120°, 3.8 x 3.8 x 0.9 mm | | 22,80 | 27,04 |
| RLCU-440-1020, 1020 nm, typ.17 mW/sr, 350 mA, 120°, 3.8 x 3.8 x 0.9 mm | | 29,70 | 35,22 |
| RLCU-440-1050, 1050 nm, 59 mW, 350 mA, 120°, 3.8 x 3.8 x 0.9 mm | | 29,70 | 35,22 |

| SMD High Power LEDs \| UV \| 370 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power UV-LED series
hermetic ceramic SMD package
UV resistant silicone mold
integrated zener diode ESD protection

| | | | |
|---|---|---|---|
| VL370-5050, 370 nm, 20-30 mW, 350 mA, Vf typ. 4.0-4.2 V, 120°, 5.0 x 5.0 x 1.0 mm | EOL | 11,05 | 13,10 |
| VL400-5050, 400 nm, 100-110 mW, 350 mA, Vf typ. 3.5-3.8 V, 120°, 5.0 x 5.0 x 1.0 mm | EOL | 10,95 | 12,99 |

| SMD High Power LEDs \| UV \| 375 - 400 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power UV-LED series
hermetic ceramic SMD package
UV resistant silicone mold
integrated zener diode ESD protection
low operation current

| | | | |
|---|---|---|---|
| XRL-375-SD, 375 nm, 48 mW, 100 mA, 1 chip, 120°, ceramic SMD, 4.2 x 4.2 x 1.3 mm | | 49,80 | 59,06 |
| XHL-375-SD, 375 nm, 95 mW, 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm | | 49,00 | 58,11 |
| XHL-400-SD, 400 nm, 150 mW, 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm | | 36,60 | 43,41 |

| SMD High Power LEDs \| UV - BLUE \| 380 - 440 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power **single chip** UV-LED series
hermetic ceramic emitter package
UV resistant silicone mold

| | | | |
|---|---|---|---|
| VL380-EMITTER, 380 nm, 200-300 mW, 350 mA, Vf typ. 3.0-4.0 V, 140° | | 18,00 | 21,35 |
| VL390-EMITTER, 390 nm, 200-300 mW, 350 mA, Vf typ. 3.0-4.0 V, 140° | | 17,00 | 20,16 |
| VL400-EMITTER, 400 nm, 300-400 mW, 350 mA, Vf typ. 3.0-4.0 V, 140° | | 16,00 | 18,98 |
| RV5-EMITTER-1W, 405 nm, 250 mW, 350 mA, Vf <4.0 V, 140° | | 5,10 | 6,05 |
| RV5-EMITTER-3W, 405 nm, 400 mW, 700 mA, Vf <4.5 V, 140° | | 5,49 | 6,51 |
| VL410-EMITTER, 410 nm, 300-400 mW, 350 mA, Vf typ. 3.0-4.0 V, 140° | | 15,00 | 17,79 |
| VL440-EMITTER, 440 nm, 400-500 mW, 350 mA, Vf typ. 3.0-4.0 V, 140° | | 14,00 | 16,60 |

| SMD High Power LEDs \| UV \| 365 - 385 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power **multi-chip** UV-LED series
hermetic ceramic SMD package
UV resistant silicone mold

size: Ø19.9 x 7.9 mm

| | | | |
|---|---|---|---|
| XML-365-SD, 365 nm, 200 mW, 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm | | 121,00 | 143,50 |
| XML-385-SD, 385 nm, 1000 mW, 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm | | 175,00 | 207,54 |

# SMB1N HIGH POWER LEDS - SMD

1 W high power LED series, power chip technology
chip size 1 x 1 mm², mounted on copper heat sink
PA9T SMD package, 5.0 x 5.2 mm
silicone / epoxy mold

**365 nm - 1900 nm**

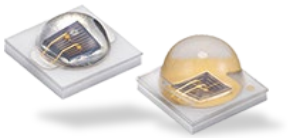
| SMB1N SMD High Power LEDs \| UV \| 365 - 395 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMB1N-365V, 365 nm, 650 mW, 500 mA, <4.5 V, 124°, 5.0x5.2x1.0 mm | | 14,89 | 17,66 |
| SMB1N-365V-02, 365 nm, 650 mW, 500 mA, <4.5 V, 18°, 5.0x5.2x5.5 mm | | 16,45 | 19,51 |
| SMB1N-375V, 375 nm, 560 mW, 500 mA, <4.5 V, 126°, 5.0x5.2x1.0 mm | | 12,29 | 14,58 |
| SMB1N-375V-02, 375 nm, 560 mW, 500 mA, <4.5 V, 20°, Zener diode, 5.0x5.2x5.5 mm | | 13,67 | 16,21 |
| SMB1N-385V, 385 nm, 720 mW, 500 mA, <3.9 V, 122°, Zener diode, 5.0x5.2x1.0 mm | | 13,41 | 15,90 |
| SMB1N-385V-02, 385 nm, 1000 mW, 500 mA, <3.9 V, 20°, Zener diode, 5.0x5.2x5.5 mm | | 15,20 | 18,03 |
| SMB1N-395V, 395 nm, 750 mW, 500 mA, <4.5 V, 126°, 5.0x5.2x1.0 mm | EOL | 9,82 | 11,65 |
| SMB1N-395V-02, 395 nm, 600 mW, 500 mA, <3.9 V, 22°, 5.0x5.2x5.5 mm | | 11,42 | 13,54 |

| SMB1N SMD High Power LEDs \| VIS \| 405 - 700 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMB1N-405V, 405 nm, 710 mW, 500 mA, <4.2 V, 126°, 5.0x5.2x1.0 mm | | 9,82 | 11,65 |
| SMB1N-405V-02, 405 nm, 710 mW, 500 mA, <4.2 V, 22°, 5.0x5.2x5.5 mm | | 11,42 | 13,54 |
| SMB1N-415H, 415 nm, 300 mW, 350 mA, <4.5 V, 124°, 5.0x5.2x1.0 mm | | 7,78 | 9,23 |
| SMB1N-415H-02, 415 nm, 300 mW, 350 mA, <4.5 V, 22°, 5.0x5.2x5.5 mm | | 9,44 | 11,20 |
| SMB1N-420H, 420 nm, 420 mW, 350 mA, <3.8 V, 126°, 5.0x5.2x1.0 mm | | 7,80 | 9,25 |
| SMB1N-420H-02, 420 nm, 420 mW, 350 mA, <3.8 V, 20°, Zener diode, 5.0x5.2x5.5 mm | | 9,45 | 11,21 |
| SMB1N-430H, 430 nm, 500 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm | | 7,80 | 9,25 |
| SMB1N-430H-02, 430 nm, 500 mW, 350 mA, <3.8 V, 22°, 5.0x5.2x5.5 mm | | 9,45 | 11,21 |
| SMB1N-435V, 435 nm, 800 mW, 500 mA, <4.5 V, 126°, 5.0x5.2x1.0 mm | | 15,45 | 18,32 |
| SMB1N-435V-02, 435 nm, 800 mW, 500 mA, <4.5 V, 22°, 5.0x5.2x5.5 mm | | 17,11 | 20,29 |
| SMB1N-D450, 450 nm, 480 mW, 350 mA, <4.0 V, 130°, 5.0x5.2x1.0 mm | | 8,55 | 10,14 |
| SMB1N-D450-02, 450 nm, 480 mW, 350 mA, <4.0 V, 20°, 5.0x5.2x5.5 mm | | 10,20 | 12,10 |
| SMB1N-D470, 470 nm, 400 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm | | 8,55 | 10,14 |
| SMB1N-D470-02, 470 nm, 400 mW, 350 mA, <3.8 V, 20°, 5.0x5.2x5.5 mm | | 10,20 | 12,10 |
| SMB1N-490H, 490 nm, 240 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm | | 8,55 | 10,14 |
| SMB1N-490H-02, 490 nm, 240 mW, 350 mA, <3.8 V, 22°, 5.0x5.2x5.5 mm | | 10,20 | 12,10 |
| **500 nm** | | | |
| SMB1N-515V, 515 nm, 230 mW, 350 mA, <3.6 V, 126°, 5.0x5.2x1.0 mm | | 8,45 | 10,02 |
| SMB1N-515V-02, 515 nm, 250 mW, 350 mA, <3.6 V, 18°, 5.0x5.2x5.5 mm | | 10,65 | 12,63 |
| SMB1N-D520, 520 nm, 250 mW, 350 mA, <3.8 V, 128°, 5.0x5.2x1.0 mm | | 8,45 | 10,02 |
| SMB1N-D520-02, 520 nm, 250 mW, 350 mA, <3.8 V, 22°, 5.0x5.2x5.5 mm | | 10,20 | 12,10 |
| SMB1N-525V-02, 525 nm, 230 mW, 350 mA, <3.6 V, 22°, 5.0x5.2x5.5 mm | EOL | 10,65 | 12,63 |
| SMB1N-550H, 550 nm, 100 mW, 350 mA, <3.4V, 130°, 5.0x5.2x1.0 mm | | 12,95 | 15,36 |
| SMB1N-550H-02, 550 nm, 100 mW, 350 mA, <3.4 V, ~20°, 5.0x5.2x5.5 mm | | 15,45 | 18,32 |
| SMB1N-590, 590 nm, 120 mW, 350 mA, <3.0 V, 126°, 5.0x5.2x1.0 mm | | 10,55 | 12,51 |
| SMB1N-590-02, 590 nm, 120 mW, 350 mA, <3.0 V, 18°, 5.0x5.2x5.5 mm | | 10,55 | 12,51 |
| **600 nm** | | | |
| SMB1N-620D, 620 nm, 190 mW, 350 mA, <2.7 V, 128°, 5.0x5.2x1.0 mm | | 8,26 | 9,80 |
| SMB1N-620D-02, 620 nm, 190 mW, 350 mA, <2.7 V, 20°, 5.0x5.2x5.5 mm | | 10,43 | 12,37 |
| SMB1N-D630, 630 nm, 330 mW, 350 mA, <2.8 V, 126°, 5.0x5.2x1.0 mm | | 8,35 | 9,90 |
| SMB1N-D630-02, 630 nm, 290 mW, 350 mA, <2.8 V, 18°, 5.0x5.2x5.5 mm | | 10,55 | 12,51 |
| SMB1N-D660N, 660 nm, 320 mW, 350 mA, <3.0 V, 126°, 5.0x5.2x1.0 mm | | 7,35 | 8,72 |
| SMB1N-D660N-02, 660 nm, 320 mW, 350 mA, <3.0 V, 20°, 5.0x5.2x5.5 mm | | 9,55 | 11,33 |
| SMB1N-670D, 670 nm, 520 mW, 600 mA, <2.5 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-670D-02, 670 nm, 520 mW, 600 mA, <3.0 V, 18°, 5.0x5.2x5.5 mm | | 11,75 | 13,94 |
| SMB1N-680-02, 680 nm, 170 mW, 600 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm | EOL | 9,74 | 11,55 |
| SMB1N-680D, 680 nm, 650 mW, 600 mA, <2.9 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-680D-02, 680 nm, 650 mW, 600 mA, <2.9 V, 18°, 5.0x5.2x5.5 mm | | 13,05 | 15,48 |
| SMB1N-690D, 690 nm, 520 mW, 600 mA, <3.0 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-690D-02, 690 nm, 520 mW, 600 mA, <3.0 V, 18°, 5.0x5.2x5.5 mm | | 11,75 | 13,94 |

| SMB1N SMD High Power LEDs \| IR \| 700 - 1650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMB1N-700, 700 nm, 120 mW, 500 mA, <2.7V, 130°, 5.0x5.2x1.0 mm | EOL | 8,41 | 9,97 |
| SMB1N-700D, 700 nm, 200 mW, 500 mA, <2.3 V, 128°, 5.0x5.2x1.0 mm | | 9,54 | 11,31 |
| SMB1N-700D-02, 700 nm, 200 mW, 500 mA, <2.3 V, 20°, 5.0x5.2x5.5 mm | | 11,76 | 13,95 |
| SMB1N-720, 720 nm, 170 mW, 600 mA, <2.8 V, 130°, 5.0x5.2x1.0 mm | EOL | 9,80 | 11,62 |
| SMB1N-720D, 720 nm, 520 mW, 600 mA, <2.4 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-720D-02, 720 nm, 520 mW, 600 mA, <2.4 V, 20°, 5.0x5.2x5.5 mm | | 12,25 | 14,53 |
| SMB1N-735, 735 nm, 200 mW, 600 mA, <2.3 V, 130°, 5.0x5.2x1.0 mm | EOL | 9,55 | 11,33 |
| SMB1N-740D, 740 nm, 290 mW, 600 mA, <2.4 V, 130°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-740D-02, 740 nm, 290 mW, 600 mA, <2.4 V, 20°, 5.0x5.2x5.5 mm | | 11,75 | 13,94 |
| SMB1N-750, 750 nm, 290 mW, 800 mA, <2.4 V, 126°, 5.0x5.2x1.0 mm | EOL | 9,55 | 11,33 |
| SMB1N-750-02, 750 nm, 290 mW, 800 mA, <2.4 V, 20°, 5.0x5.2x5.5 mm | EOL | 11,75 | 13,94 |
| SMB1N-750D, 750 nm, 700 mW, 800 mA, <2.5 V, 128°, 5.0x5.2x1.0 mm | | 9,54 | 11,31 |
| SMB1N-750D-02, 750 nm, 700 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm | | 11,76 | 13,95 |
| SMB1N-760D, 760 nm, 400 mW, 800 mA, <2.5 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-760D-02, 760 nm, 400 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm | | 11,75 | 13,94 |
| SMB2N-760D-I, 760 nm, 800 mW, 800 mA, <5.0 V, 2 chip dies, isolated, 5.0x5.2x1.0 mm | | 13,32 | 15,80 |
| SMB3N-760D-I, 760 nm, 800 mA, 3 chip dies, isolated, 5.0x5.2x1.0 mm | | 19,99 | 23,71 |
| SMB1N-770D, 770 nm, 650 mW, 800 mA, <2.1 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-770D-02, 770 nm, 650 mW, 800 mA, <2.1 V, 20°, 5.0x5.2x1.0 mm | | 11,76 | 13,95 |
| SMB1N-770-02, 770 nm, 290 mW, 800 mA, <2.5 V, 20°, 5.0x5.2x5.5 mm | EOL | 11,75 | 13,94 |
| SMB1N-780D, 780 nm, 650 mW, 800 mA, <2.6 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-780D-02, 780 nm, 650 mW, 800 mA, <2.6 V, 20°, 5.0x5.2x5.5 mm | | 11,75 | 13,94 |
| SMB2N-780D-I, 780 nm, 800 mW, 800 mA, <5.2 V, 2 chip dies, isolated, 5.0x5.2x1.0 mm | | o.r. | o.r. |
| **800 nm** | | | |
| SMB1N-800D, 800 nm, 450 mW, 800 mA, <2.6 V, 128°, 5.0x5.2x1.0 mm | | 9,55 | 11,33 |
| SMB1N-800D-02, 800 nm, 450 mW, 800 mA, <2.6 V, 18°, 5.0x5.2x5.5 mm | | 11,75 | 13,94 |
| SMB1N-810D, 810 nm, 560 mW, 800 mA, <2.5 V, 126°, 5.0x5.2x1.0 mm | | 10,65 | 12,63 |
| SMB1N-810D-02, 810 nm, 560 mW, 800 mA, <2.5 V, 20°, 5.0x5.2x5.5 mm | | 12,90 | 15,30 |
| SMB1N-830N, 830 nm, 280 mW, 800 mA, <2.2 V, 128°, 5.0x5.2x1.0 mm | EOL | 8,90 | 10,56 |
| SMB1N-830D, 830 nm, 700 mW, 1 A, <2.0 V, 128°, 5.0x5.2x5.5 mm | | 8,90 | 10,56 |
| SMB1N-830D-02, 830 nm, 700 mW, 1 A, <2.0 V, 18°, 5.0x5.2x5.5 mm | | 11,10 | 13,16 |
| SMB1N-850D, 850 nm, 780 mW, 1 A, <2.5 V, 130°, 5.0x5.2x1.0 mm | | 8,65 | 10,26 |
| SMB1N-850D-02, 850 nm, 780 mW, 1 A, <2.5V, 20°, 5.0x5.2x5.5 mm | | 10,90 | 12,93 |
| SMB1N-850DS, 850 nm, 1.4 W, 1 A, <4.2 V, 128°, 5.0x5.2x1.0 mm | | 13,65 | 16,19 |
| SMB1N-850DS-02, 850 nm, 1.4 W, 1 A, <4.2V, 20°, 5.0x5.2x5.5 mm | | 15,85 | 18,80 |
| SMB2N-850D-I, 850 nm, 1.2 W, 1 A, Vf <4.8V, 122°, 2 chip dies, 5.0x5.2x1.0 mm | | 17,15 | 20,34 |
| SMB3N-850D-I, 850 nm, 1.8 W, 1 A, <7.2 V, 120°, 3 chip dies, 5.0x5.2x1.0 mm | | 24,40 | 28,94 |
| SMB1N-870, 870 nm, 440 mW, 1 A, <2.0 V, 130°, 5.0x5.2x1.0 mm | EOL | 8,90 | 10,56 |
| SMB1N-880, 880 nm, 320 mW, 800 mA, <2.2 V, 128°, 5.0x5.2x1.0 mm | | 8,90 | 10,56 |
| SMB1N-880D, 880 nm, 610 mW, 800 mA, <2.5 V, 130°, 5.0x5.2x1.0 mm | | 10,65 | 12,63 |

| | | | |
|---|---|---|---|
| SMB1N-880D-02, 880 nm, 610 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm | | 12,90 | 15,30 |
| SMB1N-890D, 890 nm, 590 mW, 800 mA, <2.5 V, 128°, 5.0x5.2x5.5 mm | | 10,66 | 12,64 |
| SMB1N-890D-02, 890 nm, 590 mW, 800 mA, <2.5 V, 18°, 5.0x5.2x5.5 mm | | 12,88 | 15,28 |
| SMB1N-890DS, 890 nm, 1.4 W, 1 A, <4.0 V, 128°, 5.0x5.2x1.0 mm | | 13,65 | 16,19 |
| SMB1N-890DS-02, 890 nm, 1.4 W, 1 A, <4.0 V, 20°, 5.0x5.2x5.5 mm | | 15,85 | 18,80 |
| **900 nm** | | | |
| SMB1N-910D, 910 nm, 850 mW, 1 A, <2.5 V, 126°, 5.0x5.2x1.0 mm | | 8,65 | 10,26 |
| SMB1N-910D-02, 910 nm, 850 mW, 1 A, <2.5 V, 20°, 5.0x5.2x5.5 mm | | 10,87 | 12,89 |
| SMB1N-940-02, 940 nm, 120 mW, 500 mA, <1.8 V, 24°, 5.0x5.2x1.0 mm | EOL | 9,30 | 11,03 |
| SMB1N-940D, 940 nm, 630 mW, 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm | | 8,65 | 10,26 |
| SMB1N-940D-02, 940 nm, 630 mW, 1 A, <1.8 V, 20°, 5.0x5.2x5.5 mm | | 10,90 | 12,93 |
| SMB1N-940DS, 940 nm, 1.3 W, 1 A, <3.8 V, 128°, 5.0x5.2x1.0 mm | | 13,65 | 16,19 |
| SMB1N-940DS-02, 940 nm, 1.3 W, 1 A, <3.8 V, 20°, 5.0x5.2x5.5 mm | | 15,85 | 18,80 |
| SMB1N-970-02, 970 nm, 30 mW, 400 mA, <1.7 V, 20°, 5.0x5.2x5.5 mm | EOL | 7,75 | 9,19 |
| SMB1N-970D, 970 nm, 780 mW, 1 A, <2.5 V, 130°, 5.0x5.2x1.0 mm | | 9,10 | 10,79 |
| SMB1N-970D-02, 970 nm, 780 mW, 1 A, <2.5 V, 20°, 5.0x5.2x5.5 mm | | 11,30 | 13,40 |
| SMB1N-980D, 980 nm, 400 mW, 800 mA,<2.0 V, 128°, 5.0x5.2x1.0 mm | | 9,10 | 10,79 |
| SMB1N-980D-02, 980 nm, 400 mW, 800 mA, <2.0 V, 20°, 5.0x5.2x5.5 mm | | 11,35 | 13,46 |
| **1000 nm** | | | |
| SMB1N-1050, 1050 nm, 35 mW, 500 mA, <1.65 V, 134°, 5.0x5.2x1.0 mm | EOL | 27,80 | 32,97 |
| SMB1N-1050-02, 1050 nm, 35 mW, 500 mA, <1.65 V, 20°, 5.0x5.2x5.5 mm | EOL | 27,80 | 32,97 |
| SMB1N-1050D, 1050 nm, 160 mW, 1 A, <2.2 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1050D-02, 1050 nm, 200 mW, 1 A, <2.2 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1050GD, 1050 nm, 700 mW at 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm | | 48,08 | 57,02 |
| SMB1N-1050GD-02, 1050 nm, 750 mW at 1 A, <1.8 V, 20°, 5.0x5.2x5.5 mm | | 52,27 | 61,99 |
| SMB1N-1100D, 1100 nm, 280 mW, 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1100D-02, 1100 nm, 350 mW, 1 A, <1.8 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1150D, 1150 nm, 210 mW, 1 A, <1.8 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1150D-02, 1150 nm, 260 mW, 1 A, <1.8 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1200-02, 1200 nm, 35 mW, 500 mA, <1.4 V, 18°, 5.0x5.2x5.5 mm | EOL | 27,80 | 32,97 |
| SMB1N-1200S, 1200 nm, 50 mW at 500 mA, <1.4 V, 136°, 5.0x5.2x1.0 mm | | 40,22 | 47,70 |
| SMB1N-1200D, 1200 nm, 180 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1200D-02, 1200 nm, 220 mW, 1 A, <1.7 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1300L, 1300 nm, 25 mW, 500 mA, <1.4 V, 134°, 5.0x5.2x1.0 mm | EOL | 21,60 | 25,62 |
| SMB1N-1300S, 1300 nm, 45 mW at 500 mA, <1.4 V, 136°, 5.0x5.2x1.0 mm | | 40,22 | 47,70 |
| SMB1N-1300S-02, 1300 nm, 45 mW at 500 mA, <1.4 V, 20°, 5.0x5.2x5.5 mm | | 41,76 | 49,53 |
| SMB1N-1300D, 1300 nm, 160 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1300D-02, 1300 nm, 200 mW, 1 A, <1.7 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1450D, 1450 nm, 72 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1450D-02, 1450 nm, 90 mW, 1 A, <1.7 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1550S, 1550 nm, 20 mW, 500 mA, <1.4 V, 136°, 5.0x5.2x1.0 mm | | 32,20 | 38,19 |
| SMB1N-1550D, 1550 nm, 50 mW, 1 A, <1.7 V, 128°, 5.0x5.2x1.0 mm | | 43,65 | 51,77 |
| SMB1N-1550D-02, 1550 nm, 62 mW, 1 A, <1.7 V, 20°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1650S, 1650 nm, 16 mW at 500 mA, <1.5 V, 136°, 5.0x5.2x1.0 mm | | 40,22 | 47,70 |
| SMB1N-1650-02, 1650 nm, 16 mW, 500 mA, <1.5 V, 20°, 5.0x5.2x5.5 mm | EOL | 27,80 | 32,97 |
| SMB1N-1650D, 1650 nm, 36 mW, 1 A, <1.6 V, 128°, 5.0x5.2x1.0 mm | | 42,05 | 49,87 |
| SMB1N-1650D-02, 1650 nm, 45 mW, 1 A, <1.6 V, 18°, 5.0x5.2x5.5 mm | | 43,65 | 51,77 |
| SMB1N-1900D, 1900 nm, 27 mW, 1 A, <1.6 V, 128°, 5.0x5.2x1.0 mm | NEW | 41,90 | 49,69 |
| SMB1N-1900D-02, 1900 nm, 30 mW, 1 A, <1.6 V, 18°, 5.0x5.2x5.5 mm | NEW | 44,20 | 52,42 |

# SMB1C HIGH POWER LEDS - SMD



1 W high power LED series, power chip technology
chip size 1 x 1 mm², mounted on copper heat sink
Ceramic SMD package, 3.45 x 3.45 mm
silicone resin

**365 nm - 1650 nm**

| SMB1C SMD High Power LEDs \| UV \| 365 - 395nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMB1C-365V, 365 nm, 850 mW, 500 mA, <4.5 V, 120°, 3.45x3.45x2.06 mm | | 15,78 | 18,71 |
| SMB1C-365V-S5, 365 nm, 850 mW, 500 mA, <4.5 V, 78°, 3.45x3.45x2.80 mm | | 15,78 | 18,71 |
| SMB1C-375V, 375 nm, 560 mW, 500 mA, <4.5 V, 122°, 3.45x3.45x2.06 mm | | 12,85 | 15,24 |
| SMB1C-375V-S5, 375 nm, 560 mW, 500 mA, <4.5 V, 78°, 3.45x3.45x2.80 mm | | 12,85 | 15,24 |
| SMB1C-385V, 385 nm, 1.1 W, 500 mA, <3.9 V, 120°, 3.45x3.45x2.06 mm | | 12,85 | 15,24 |
| SMB1C-385V-S5, 385 nm, 1.1 W, 500 mA, <4.5V, 78°, 3.45x3.45x2.80 mm | | 12,85 | 15,24 |
| SMB1C-395V, 395 nm, 750 mW, 500 mA, <4.5 V, 114°, 3.45x3.45x2.06 mm | | 10,81 | 12,82 |
| SMB1C-395V-S5, 395 nm, 750 mW, 500 mA, <4.5 V, 74°, 3.45x3.45x2.80 mm | | 10,81 | 12,82 |

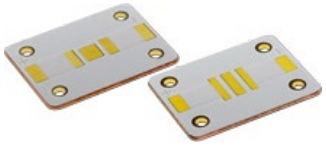
| SMB1C SMD High Power LEDs \| VIS \| 405 - 700 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SMB1C-405V, 405 nm, 710 mW, 500 mA, <4.2 V, 122°, 3.45x3.45x2.06 mm | | 10,81 | 12,82 |
| SMB1C-405V-S5, 405 nm, 710 mW, 500 mA, <4.2 V, 74°, 3.45x3.45x2.80 mm | | 10,81 | 12,82 |
| SMB1C-435V, 435 nm, 3.45x3.45x2.06 mm | | 10,03 | 11,90 |
| SMB1C-435V-S5, 435 nm, 3.45x3.45x2.80 mm | | 10,03 | 11,90 |
| SMB1C-450V, 450 nm, 850 mW, 500 mA, <4.5 V, 130°, 3.45x3.45x2.06 mm | | o.r. | o.r. |
| SMB1C-525V, 525 nm, 230 mW, 350 mA, <3.6 V, 130°, 3.45x3.45x2.06 mm | | 9,75 | 11,56 |
| SMB1C-525V-S5, 525 nm, 230 mW, 350 mA, <3.6 V, 74°, 3.45x3.45x2.80 mm | | 9,75 | 11,56 |
| SMB1C-590D, 590 nm, 120 mW, 1 A, <3.0 V, 124°, 3.45x3.45x2.06 mm | | 9,75 | 11,56 |
| SMB1C-590D-S5, 590 nm, 3.45x3.45x2.80 mm | | 9,75 | 11,56 |
| SMB1C-620D, 620 nm, 190 mW, 350 mA, 126°, 3.45x3.45x2.06 mm | | 9,75 | 11,56 |
| SMB1C-620D-S5, 620 nm, 3.45x3.45x2.80 mm | | 9,75 | 11,56 |

| | | | |
|---|---|---|---|
| SMB1C-630V, 630 nm, 270 mW, 350 mA, <2.8 V, 124°, 3.45x3.45x2.06 mm | | 9,75 | 11,56 |
| SMB1C-630V-S5, 630 nm, 270 mW, 350 mA, <2.8 V, 78°, 3.45x3.45x2.80 mm | | 9,75 | 11,56 |
| SMB1C-660D, 660 nm, 320 mW, 350 mA, <3.0 V, 128°, 3.45x3.45x2.06 mm | | 8,78 | 10,41 |
| SMB1C-660D-S5, 660 nm, 320 mW, 350 mA, <3.0 V, 82°, 3.45x3.45x2.80 mm | | 8,78 | 10,41 |
| SMB1C-680D, 680 nm, 520 mW, 600 mA, <3.0 V, 122°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-680D-S5, 680 nm, 520 mW, 600 mA, <3.0 V, 78°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| SMB1C-690D, 690 nm, 520 mW, 600 mA, <3.0 V, 128°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-690-S5, 690 nm, 520 mW, 600 mA, <3.0 V, 82°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| **SMB1C SMD High Power LEDs \| IR \| 700 - 1650 nm** | **Status** | **EUR / pc** | **USD / pc** |
| SMB1C-700D, 700 nm, 200 mW, 500 mA, <2.3 V, 128°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-700D-S5, 700 nm, 200 mW, 500 mA, <2.3 V, 80°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| SMB1C-720, 720 nm, 170 mW, 600 mA, <2.8 V, 126°, 3.45x3.45x2.06 mm | | 10,92 | 12,95 |
| SMB1C-720-S5, 720 nm, 3.45x3.45x2.80 mm | | 10,92 | 12,95 |
| SMB1C-740D, 740 nm, 290 mW, 600 mA, <2.4 V, 130°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-740D-S5, 740 nm, 290 mW, 600 mA, <2.4 V, 78°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| SMB1C-750, 750 nm, 122°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-750-S5, 750 nm, 290 mW, 800 mA, <2.4 V, 78°, 3.45x3.45x2.80 mm | | 10,58 | 12,55 |
| SMB1C-750D, 750 nm, 700 mW, 800 mA, <2.5 V, 126°, 3.45x3.45x2.06 mm | | 10,59 | 12,56 |
| SMB1C-750D-S5, 750 nm, 700 mW, 800 mA, <2.5 V, 84°, 3.45x3.54x2.80 mm | | 10,58 | 12,55 |
| SMB1C-760D, 760 nm, 400 mW, 800 mA, <2.5 V, 126°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-760D-S5, 760 nm, 400 mW, 800 mA, <2.5 V, 78°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| SMB1C-780D, 780 nm, 500 mW, 800 mA, <2.6 V, 126°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-780D-S5, 780 nm, 500 mW, 800 mA, <2.6 V, 82°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| **800 nm** | | | |
| SMB1C-800D, 800 nm, 450 mW, 800 mA, <2.6 V, 124°, 3.45x3.45x2.06 mm | | 10,74 | 12,74 |
| SMB1C-800D-S5, 800 nm, 450 mW, 800 mA, <2.6 V, 82°, 3.45x3.45x2.80 mm | | 10,74 | 12,74 |
| SMB1C-810D, 810 nm, 520 mW, 800 mA, <2.5 V, 124°, 3.45x3.45x2.06 mm | | 11,69 | 13,86 |
| SMB1C-810DS, 810 nm, 1.2 W, 1 A, <4.2 V, 132°, 3.45x3.45x2.06 mm | | 14,33 | 16,99 |
| SMB1C-810D-S5, 810 nm, 520 mW, 800 mA, <2.5 V, 78°, 3.45x3.45x2.80 mm | | 11,69 | 13,86 |
| SMB1C-810DS-S5, 810 nm, 1.2 W, 1 A, <4.2 V, 78°, 3.45x3.45x2.80 mm | | 14,33 | 16,99 |
| SMB1C-830N, 830 nm, 340 mW, 800 mA, <2.2 V, 128°, 3.45x3.45x2.06 mm | | 10,12 | 12,00 |
| SMB1C-830N-S5, 830 nm, 340 mW, 800 mA, <2.2 V, 78°, 3.45x3.45x2.06 mm | | 10,12 | 12,00 |
| SMB1C-850D, 850 nm, 780 mW, 1 A, <1.9 V, 120 °, 3.45x3.45x2.06 mm | | 9,95 | 11,80 |
| SMB1C-850DS, 850 nm, 1.4 W, 1 A, <4.2 V, 132°, 3.45x3.45x2.06 mm | | 14,33 | 16,99 |
| SMB1C-850D-S5, 850 nm, 780 mW, 1 A, <1.9 V, 78°, 3.45x3.45x2.80 mm | | 9,95 | 11,80 |
| SMB1C-850DS-S5, 850 nm, 1.4 W, 1 A, <4.2 V, 78°, 3.45x3.45x2.80 mm | | 14,33 | 16,99 |
| SMB1C-880D, 880 nm, 610 mW, 800 mA, 124°, 3.45x3.45x2.06 mm | | 11,69 | 13,86 |
| SMB1C-880D-S5, 880 nm, 610 mW, 800 mA, 78°, 3.45x3.45x2.80 mm | | 11,69 | 13,86 |
| SMB1C-890DS, 890 nm, 1.4 W, 1 A, <4.0 V, 132°, 3.45x3.45x2.06 mm | | 14,33 | 16,99 |
| SMB1C-890DS-S5, 890 nm, 1.4 W, 1 A, <4.0 V, 80°, 3.45x3.45x2.80 mm | | 14,33 | 16,99 |
| **900 nm** | | | |
| SMB1C-910D, 910 nm, 850 mW, 1 A, <2.5 V, 126°, 3.45x3.45x2.06 mm | | 9,95 | 11,80 |
| SMB1C-910D-S5, 910 nm, 850 mW, 1 A, <2.5 V, 82°, 3.45x3.45x2.80 mm | | 9,95 | 11,80 |
| SMB1C-940D, 940 nm, 630 mW, 1 A, <1.8 V, 122°, 3.45x3.45x2.06 mm | | 9,95 | 11,80 |
| SMB1C-940DS, 940 nm, 1.3 W, 1 A, <3.8 V, 132°, 3.45x3.45x2.06 mm | | 14,33 | 16,99 |
| SMB1C-940D-S5, 940 nm, 630 mW, 1 A, <1.8 V, 78°, 3.45x3.45x2.80 mm | | 9,95 | 11,80 |
| SMB1C-940DS-S5, 940 nm, 1.3 W, 1 A, <3.8 V, 76°, 3.45x3.45x2.80 mm | | 14,33 | 16,99 |
| SMB1C-970D, 970 nm, 780 mW, 1 A, <2.5 V, 136°, 3.45x3.45x2.06 mm | | 10,32 | 12,24 |
| SMB1C-970D-S5, 970 nm, 780 mW, 1 A, <2.5 V, 84°, 3.45x3.45x2.80 mm | | 10,32 | 12,24 |
| SMB1C-980D, 980 nm, 400 mW, 800 mA, <2.0 V, 134°, 3.45x3.45x2.06 mm | | 10,32 | 12,24 |
| SMB1C-980D-S5, 980 nm, 400 mW, 800 mA, <2.0 V, 76°, 3.45x3.45x2.80 mm | | 10,32 | 12,24 |
| **1000 nm** | | | |
| SMB1C-1050D, 1050 nm, 200 mW, 1 A, <2.2 V, 132°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1050D-S5, 1050 nm, 200 mW, 1 A, <2.2 V, 88°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1050GD, 1050 nm, 750 mW, 1 A, <1.8 V, 122°, 3.45x3.45x2.06 mm | | 46,97 | 55,70 |
| SMB1C-1050GD-S5, 1050 nm, 750 mW, 1 A, <1.8 V, 78°, 3.45x3.45x2.80 mm | | 46,97 | 55,70 |
| SMB1C-1050S, 1050 nm, 52 mW, 500 mA, <1.65 V, 152°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1050S-S5, 1050 nm, 52 mW, 500 mA, <1.65 V, 92°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1100D, 1100 nm, 350 mW, 1 A, <1.8 V, 132°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1100D-S5, 1100 nm, 350 mW, 1 A, <1.8 V, 80°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1100S, 1100 nm, 52 mW, 500 mA, <1.65 V, 152°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1100S-S5, 1100 nm, 52 mW, 500 mA, <1.65 V, 92°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1150D, 1150 nm, 260 mW, 1 A, <1.8 V, 132°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1150D-S5, 1150 nm, 260 mW, 1 A, <1.8 V, 80°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1150S, 1150 nm, 50 mW, 500 mA, <1.4 V, 150°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1150S-S5, 1150 nm, 50 mW, 500 mA, <1.4 V, 88°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1200D, 1200 nm, 220 mW, 1 A, <1.7 V, 126°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1200D-S5, 1200 nm, 220 mW, 1 A, <1.7 V, 84°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1200S, 1200 nm, 50 mW, 500 mA, <1.4 V, 150°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1200S-S5, 1200 nm, 50 mW, 500 mA, <1.4 V, 88°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1300D, 1300 nm, 200 mW, 1 A, <1.7 V, 136°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1300D-S5, 1300 nm, 200 mW, 1 A, <1.7 V, 86°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1300S, 1300 nm, 45 mW, 500 mA, <1.4 V, 150°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1300S-S5, 1300 nm, 45 mW, 500 mA, <1.4 V, 88°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1450D, 1450 nm, 90 mW, 1 A, <1.7 V, 136°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1450D-S5, 1450 nm, 90 mW, 1 A, <1.7 V, 88°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1450S, 1450 nm, 25 mW, 500 mA, <1.4 V, 136°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1450S-S5, 1450 nm, 25 mW, 500 mA, <1.4 V, 78°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1550D, 1550 nm, 62 mW, 1 A, <1.7 V, 134°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1550D-S5, 1550 nm, 62 mW, 1 A, <1.7 V, 90°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1550S, 1550 nm, 20 mW, 500 mA, <1.4 V, 136°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1550S-S5, 1550 nm, 20 mW, 500 mA, <1.4 V, 78°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |
| SMB1C-1650D, 1650 nm, 45 mW, 1 A, <1.6 V, 134°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |

| | | |
|---|---|---|
| SMB1C-1650D-S5, 1650 nm, 45 mW, 1 A, <1.6 V, 90°, 3.45x3.45x2.80 mm | 43,50 | 51,59 |

| | | | |
|---|---|---|---|
| SMB1C-1650S, 1650 nm, 16 mW, 500 mA, <1.5 V, 146°, 3.45x3.45x2.06 mm | | 43,50 | 51,59 |
| SMB1C-1650S-S5, 1650 nm, 16 mW, 500 mA, <1.5 V, 90°, 3.45x3.45x2.80 mm | | 43,50 | 51,59 |

| ACCESSORIES for SMBxN LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|



**PCB boards** to get your SMB LEDs mounted easily!
Available for SMB1W and SMB1N series

size: 17 x 23 mm

| | | | |
|---|---|---|---|
| SMB1N-PCB, PCB for SMB1N series, 17 x 23 mm | | 5,76 | 6,83 |
| SMB1C-PCB, PCB for SMB1C series, 17 x 23 mm | | 5,76 | 6,83 |

**Taped Lens** for SMB LEDs
Clear Lens wih holder, taped for easy mounting.
Optical grade PMMA with high temperature resistance (105°C)

size: Ø16.1 x 10.1 mm

| | | | |
|---|---|---|---|
| SMB-LENS, 10 degree FWHM, PMMA, Ø16.1 x 10.1 mm | | 9,87 | 11,71 |

# GD35 HIGH POWER LEDS - SMD

**Ceramic 3535 SMD package**
**High power 1x1 mm² chip**
**Silicone resin dome lens**

**PCBs available**

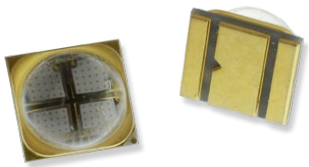
| GD35 SMD High Power LEDs \| UV - IR \| 370 - 1330 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **UV** | | | |
| GD35X-370-DL, 370 nm, 700 mA, 1200 mW, 3535 SMD, dome lens | | 3,90 | 4,63 |
| GD35X-380-DL, 380 nm, 700 mA, 600 mW, 3535 SMD, dome lens | | 3,30 | 3,91 |
| GD35X-390-DL, 390 nm, 700 mA, 500 mW, 3535 SMD, dome lens | | 3,30 | 3,91 |
| GD35X-400-DL, 400 nm, 700 mA, 1000 mW, 3535 SMD, dome lens | | 3,30 | 3,91 |
| **VIS** | | | |
| GD35V-445-DL, 445 nm, 350 mA, 10 lm, 3535 SMD, dome lens | | 2,80 | 3,32 |
| GD35V-465-DL, 465 nm, 350 mA, 30 lm, 3535 SMD, dome lens | | 2,80 | 3,32 |
| GD35V-480-DL, 480 nm, 350 mA, 55 lm, 3535 SMD, dome lens | | 4,20 | 4,98 |
| GD35V-495-DL, 495 nm, 350 mA, 60 mW, 3535 SMD, dome lens | | 4,60 | 5,46 |
| GD35V-525-DL, 525 nm, 350 mA, 120 lm, 3535 SMD, dome lens | | 2,80 | 3,32 |
| GD35V-590-DL, 590 nm, 350 mA, 50 lm, 3535 SMD, dome lens | | 2,80 | 3,32 |
| GD35V-625-DL, 625 nm, 350 mA, 65 lm, 3535 SMD, dome lens | | 4,20 | 4,98 |
| GD35V-655-DL, 655 nm, 350 mA, 25 lm, 3535 SMD, dome lens | | 4,20 | 4,98 |
| GD35V-675-DL, 675 nm, 350 mA, 400-600 mW, 3535 SMD, dome lens | | 4,20 | 4,98 |
| **IR** | | | |
| GD35N-735-DL, 735 nm, 350 mA, 250 mW, 3535 SMD, dome lens | | 4,60 | 5,46 |
| GD35N-845-DL, 845 nm, 350 mA, 250 mW, 3535 SMD, dome lens | | 4,25 | 5,04 |
| GD35N-945-DL, 945 nm, 350 mA, 250 mW, 3535 SMD, dome lens | | 5,40 | 6,40 |
| GD35N-1045-DL, 1045 nm, 350 mA, 200 mW, 3535 SMD, dome lens | | 11,90 | 14,11 |
| GD35N-1330-DL, 1330 nm, 350 mA, 70 mW, 3535 SMD, dome lens | | 16,10 | 19,09 |

| ACCESSORIES for GD35 LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Aluminium PCB boards** for GD35 LEDs

| | | | |
|---|---|---|---|
| GD35-PCB-8, PCB for GD35 series, aluminium, round, Ø 8 x 1 mm | | 1,20 | 1,42 |
| GD35-PCB-10, PCB for GD35 series, aluminium, round, Ø 10 x 1 mm | | 1,20 | 1,42 |
| GD35-PCB-14, PCB for GD35 series, aluminium, round, Ø 14 x 1 mm | | 1,20 | 1,42 |
| GD35-PCB-20, PCB for GD35 series, aluminium, hexagonal, Ø 20 x 1.5 mm | | 1,20 | 1,42 |

# GD65 HIGH POWER LEDS - SMD



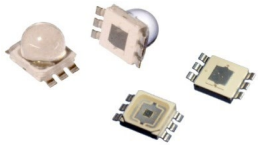
**Ceramic 6565 SMD package**
**4 x high power 1x1 mm² chip**
**Silicone resin dome lens**

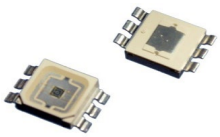
**PCBs available**

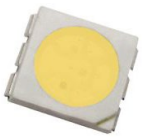
| | | | |
|---|---|---|---|
| **UV** | | | |
| GD65X-365M-DL, 365 nm, 1400 mA, 2500 mW, 6565 SMD, dome lens | | 17,20 | 20,40 |
| GD65X-385M-DL, 385 nm, 1400 mA, 2500 mW, 6565 SMD, dome lens | | 12,40 | 14,71 |

| | | |
|---|---|---|
| GD65X-395M-DL, 395 nm, 1400 mA, 2500 mW, 6565 SMD, dome lens | 12,40 | 14,71 |

| ACCESSORIES for GD65 LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Copper PCB boards** for GD65 LEDs | | | |
| GD65-PCB-20, PCB for GD65 series, copper, hexagonal, Ø 20 x 1.5 mm | | 2,90 | 3,44 |

| SMB1W SMD High Power LEDs \| IR \| 700 - 1650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  1 W high power LED series, power chip technology, chip size 1 x 1 mm², mounted on copper heat sink into a hermetic ceramic SMD package, with leads<br>flat or with lens<br>395 nm - 940 nm available<br><br>base size: 5.0 x 5.0 mm, silicone / epoxy mold | | | |
| SMB1W-395R, 395 nm, 100 mW, 200 mA, <4.5 V, 126° | EOL | 19,44 | 23,06 |
| SMB1W-470-04, 470 nm, 170 mW, 250 mA, <3.8 V, 36° | EOL | 14,14 | 16,77 |
| SMB1W-490R, 490 nm, 160 mW, 250 mA, <4.1 V, 126° | EOL | 12,37 | 14,67 |
| SMB1W-525R, 525 nm, 55 mW, 200 mA, <3.8 V, 120° | EOL | 12,37 | 14,67 |
| SMB1W-670R, 675 nm, 200 mW, 600 mA, <2.0V, 124° | EOL | 11,49 | 13,63 |
| SMB1W-680R-I, 680 nm, 90 mW, 500 mA, <2.7 V, 124°, isolated | EOL | 12,37 | 14,67 |
| SMB1W-700-02, 700 nm, 90 mW, 500 mA, <2.7 V, 22° | EOL | 9,19 | 10,90 |
| SMB1W-700-04, 700 nm, 90 mW, 500 mA, <2.7 V, 48° | EOL | 9,19 | 10,90 |
| SMB1W-700-04-I, 700 nm, 90 mW, 500 mA, <2.7 V, 48°, isolated | EOL | 14,14 | 16,77 |
| SMB1W-750-04, 750 nm, 330 mW, 800 mA, <2.5 V, 42° | EOL | 12,55 | 14,88 |
| SMB1W-760-I, 760 nm, 330 mW, 800 mA, <2.5 V, 124°, isolated | EOL | 11,66 | 13,83 |
| SMB1W-760-04-I, 760 nm, 330 mW, 800 mA, <2.5 V, 48°, isolated | EOL | 13,43 | 15,93 |
| SMB1W-770R, 770 nm, 330 mW, 800 mA, <2.5V, 124° | EOL | 11,66 | 13,83 |
| SMB1W-770-04, 770 nm, 330 mW, 800 mA, <2.5V, 42° | EOL | 12,55 | 14,88 |
| SMB1W-780-02, 780 nm, 330 mW, 800 mA, <2.5 V, 22° | EOL | 12,90 | 15,30 |
| SMB1W-780-04-I, 780 nm, 330 mW, 800 mA, <2.5 V, 48°, isolated | EOL | 13,43 | 15,93 |
| SMB1W-850, 850 nm, 430 mW, 1.0 A, <2.5 V, 132° | EOL | 9,90 | 11,74 |
| SMB1W-850D, 850 nm, 600 mW, 1.0 A, <2.9 V, 126° | EOL | 9,90 | 11,74 |
| SMB1W-850D-04, 850 nm, 630 mW, 1.0 A, <2.5 V, 38° | EOL | 11,49 | 13,63 |
| SMB1W-870, 870 nm, 430 mW, 1.0 A, <2.5 V, 132° | EOL | 9,90 | 11,74 |
| SMB1W-870-I, 870 nm, 230 mW, 600 mA, <2.1 V, 132°, isolated | EOL | 10,78 | 12,78 |
| SMB1W-880R-I, 880 nm, 320 mW, 800 mA, <2.2 V, 132°, isolated | EOL | 12,37 | 14,67 |
| SMB1W-880-04-I, 880 nm, 320 mW, 800 mA, <2.2 V, 42°, isolated | EOL | 12,55 | 14,88 |
| SMB1W-940-04-I, 940 nm, 110 mW, 500 mA, <1.65 V, 50°, isolated | EOL | 8,48 | 10,06 |

| SMB1W SMD High Power LEDs \| IR \| 700 - 1650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  high power LED series, power chip technology<br>**multi chip** LEDs, mounted on copper heat sink into a hermetic ceramic SMD package<br>395 nm - 1050 nm available, different lenses available<br><br>base size: 5.0 x 5.0 mm², silicone / epoxy mold | | | |
| SMB3W-420/525/640R-I, 420/525/640 nm, 115/60/110 mW, 300 mA, 124°, triple LED, isolated | EOL | 44,53 | 52,81 |

| High Power TOP SMD LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  high power **multi-chip** SMD LED series<br>**3 chips** inside<br>If: 3x 20 mA, +/-60° angle<br><br>► **PHASE OUT** | | | |
| WTFH01DS, white, 3 cd, 3x20 mA, Vf 3.2V, ±60°, 6.0 x 5.0 x 1.7 mm | EOL | 2,29 | 2,72 |
| GNFH01TS, green, 523 nm, 1.3 cd, 3x20 mA, Vf 3.2V, ±60°, 6.0 x 5.0 x 1.7 mm | EOL | 1,33 | 1,58 |
| OMFH01TS, red, 626 nm, 540 mcd, 3x20 mA, Vf 2.3V, ±60°, 6.0 x 5.0 x 1.7 mm | EOL | 1,00 | 1,19 |

| ENHANCED POWER EP20 LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED series, 1 power chip inside, If: 150 mA<br><br>size: 15.6 x 11,2 mm² base, 10.0 x 14.10 mm dome<br><br>► **PHASE OUT** | | | |
| EP2012-150A1, yellow, 590 nm, 35 cd, 150 mA, ±10° | EOL | 6,16 | 7,31 |
| EP204K-150B1, blue, 470 nm, 1.5 cd, 150 mA, ±50° | EOL | 6,16 | 7,31 |

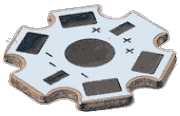
| FAT HIGH POWER NARROW BEAM THREADED LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| ultra narrow beam angle power LED series<br>**5° and 10° viewing angle**, **1 power chip**, clear epoxy package, square beam, no dark beam center from bonding wire, fast switching (30/40ns)<br>M12 x 1 thread package | | | |
| JET-635-05, 635 nm, 110 mW, 500 mA, 5°, M12x1 thread | | 44,00 | 52,18 |
| JET-635-10, 635 nm, 205 mW, 500 mA, 10°, M12x1 thread | | 44,00 | 52,18 |
| JET-660-05, 655 nm, 135 mW, 500 mA, 5°, M12x1 thread | | 44,00 | 52,18 |
| JET-660-07, 655 nm, 350 mA, 7-9°, M12x1 thread | | 44,00 | 52,18 |
| JET-685-05, 680 nm, 70 mW, 700 mA, 5°, M12x1 thread | | 44,00 | 52,18 |
| JET-685-10, 680 nm, 88 mW, 700 mA, 10°, M12x1 thread | | 44,00 | 52,18 |
| JET-730-10, 730 nm, 130 mW, 500 mA, 10°, M12x1 thread | | 44,00 | 52,18 |
| JET-800-10, 800 nm, 90 mW, 500 mA, 10°, M12x1 thread | | 44,00 | 52,18 |
| JET-870-05, 870 nm, 90 mW, 500 mA, 5°, M12x1 thread | | 44,00 | 52,18 |
| JET-870-10, 870 nm, 90 mW, 500 mA, 10°, M12x1 thread | | 44,00 | 52,18 |

| ELJ HIGH POWER NARROW BEAM THREADED LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| narrow beam power LED series,<br>**1 power chip**, clear aspheric plastic lens, round beam<br>M10 x 1.5 thread package, metal case<br>available viewing angle: 10, 20, 40 and 85°<br>further wavelengths available on request | | | |
| ELJ-465-627, 465 nm, 45 mW / 35 cd / 2.75 lm, 350 mA, 3.3 V, 15° | | 27,20 | 32,26 |
| ELJ-525-627, 525 nm, 70 mW, 500 mA, 20° | EOL | 32,55 | 38,60 |
| ELJ-810-629, 810 nm, 110 mW, / 980 mW/sr, 1 A, 2.0 V, tr/tf 75 ns, 15° | EOL | 27,20 | 32,26 |
| ELJ-830-649, 830 nm, 280 mW, / 850 mW/sr, 1 A, <2.4 V, 35° | EOL | 27,20 | 32,26 |
| ELJ-850-629, 850 nm, 280 mW, / 2.0 W/sr, 1 A, 2.0 V, tr/tf 15/20 ns, 20° | EOL | 27,20 | 32,26 |
| ELJ-870-619, 870 nm, 220 mW, / 2.5 W/sr, 1 A, <2.3 V, 13° | EOL | 27,20 | 32,26 |

| APG2Cx HIGH POWER EMITTER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED emitter<br>typ. 1 Watt electrical power<br>base diameter 7.4 mm, height 6.87 mm<br>package color: black or white<br>silicone lens | | | |
| HP803NW, white, typ. 6000 K, 130-160 lm, 700 mA, Vf 4.0 V, 120° | EOL | 6,75 | 8,01 |
| APG2C3-NW, white, typ. 6000 K, 150-170 lm, 700 mA, Vf 4.0 V, 120° | EOL | 6,75 | 8,01 |
| APG2C3-WW, warm white, typ. 3300 K, 140-160 lm, 700 mA, Vf 4.0 V, 120° | EOL | 6,75 | 8,01 |
| APG2C1-375, 375 nm, 55 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 18,00 | 21,35 |
| APG2C1-375-E, 375 nm, 200 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 21,00 | 24,91 |
| APG2C1-385, 385 nm, 60 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 16,70 | 19,81 |
| APG2C1-385-R2, 385 nm, 320 mW, 350 mA, Vf 3.6 V, ±75°, silicone lens | EOL | 17,90 | 21,23 |
| APG2C1-395, 395 nm, 55 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 16,00 | 18,98 |
| APG2C1-405, 405 nm, 105 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 14,50 | 17,20 |
| APG2C1-410, 410 nm, 125 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 7,93 | 9,40 |
| APG2C1-410-R2, 410 nm, 400 mW, 350 mA, Vf <3.9 V, ±75°, silicone lens | EOL | 13,00 | 15,42 |
| APG2C1-420, 420 nm, 130 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 7,93 | 9,40 |
| APG2C1-435, 435 nm, 380 mW, 350 mA, Vf 3.5 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-450, 450 nm, 430 mW, 350 mA, Vf 3.1 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C3-460, 470 nm, 20-30 lm, 700 mA, Vf 4.0 V, 120° | EOL | 6,75 | 8,01 |
| APG2C3-470, 470 nm, 20-40 lm, 700 mA, Vf 3.6 V, 120° | EOL | 6,75 | 8,01 |
| APG2C1-470, 470 nm, 200 mW, 350 mA, Vf 3.3 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C3-470, 470 nm, 20-40 lm, 700 mA, Vf 3.6 V, 120° | EOL | 6,75 | 8,01 |
| APG2C1-480, 480 nm, 16-18cd, 350 mA, Vf 3.3 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-490, 490 nm, 130 mW, 350 mA, Vf 3.3 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-505, 505 nm, 130 mW, 350 mA, Vf 3.5 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-515, 515 nm, 150 mW, 350 mA, Vf 3.3 V, ±75° | EOL | 7,93 | 9,40 |
| HP803PG, pure green, 530 nm, 80-110 lm, 700 mA, Vf 3.8 V, 120° | EOL | 6,75 | 8,01 |
| APG2C3-530, 530 nm, 90-120 lm, 700 mA, Vf 4.0 V, 120° | EOL | 6,75 | 8,01 |
| APG2C1-650, 650 nm, 60 mW, 350 mA, Vf 2.1 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-660, 660 nm, 60 mW, 350 mA, Vf 2.1 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-670, 670 nm, 60 mW, 350 mA, Vf 2.0 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C5-670, 670 nm, typ. 250-300 mW, 2 A, ±75°, lambertian epoxy lens | EOL | 26,00 | 30,83 |
| APG2C1-680, 680 nm, 60 mW, 350 mA, Vf 2.0 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C5-670, 670 nm, typ. 250-300 mW, 2 A, ±75°, lambertian epoxy lens | EOL | 26,00 | 30,83 |
| APG2C5-680, 680 nm, typ. 550 mW, 2 A, ±75°, lambertian epoxy lens | EOL | 26,00 | 30,83 |
| APG2C1-760, 760 nm, 70 mW, 350 mA, Vf 1.9 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-780, 780 nm, 70 mW, 350 mA, Vf 1.7 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-830, 830 nm, 70 mW, 350 mA, Vf 1.5 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-850, 850 nm, 90 mW, 350 mA, Vf 1.5 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-880, 880 nm, 90 mW, 350 mA, Vf 1.5 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-905, 905 nm, 70 mW, 350 mA, Vf 1.3 V, ±75° | EOL | 7,93 | 9,40 |

| | | | |
|---|---|---|---|
| APG2C1-920, 920 nm, 80 mW, 350 mA, Vf 1.3 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-940, 940 nm, 50 mW, 350 mA, Vf 1.3 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-970, 970 nm, 40 mW, 350 mA, Vf 1.4 V, ±75° | EOL | 7,93 | 9,40 |
| APG2C1-1020, 1020 nm, 40 mW, 350 mA, Vf 1.4 V, ±75° | EOL | 28,30 | 33,56 |
| APG2C1-1030, 1030 nm, 60 mW, 350 mA, Vf 1.4 V, ±75° | EOL | 28,30 | 33,56 |
| APG2C1-1050, 1050 nm, 50 mW, 350 mA, Vf 1.4 V, ±75° | EOL | 28,30 | 33,56 |

| ACCESSORIES FOR APG2Cx EMITTER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|



**PCB boards** to get your EMITTER package LEDs mounted easily!
Aluminium base, HTCD thermally conductive dielectric, copper circuit foil: 35 µm, white solder mask surface finish, Pb-free, RoHS compliant

size: 19 x 19.9 x 1.5 mm

| | | | |
|---|---|---|---|
| PCB-STAR, PCB for High Power Emitter LEDs, white, hexagonal, 19.9x19.9x1.5 mm | | 1,20 | 1,42 |

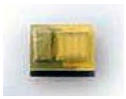
| H2Ax HIGH POWER HEXAGONAL LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|

1 W high power LED series, diverse wavelengths, power chip technology, chip size 1 x 1 mm², lambertian high dome lens
diameter: 20 mm, mechanical compatible with many collimating lenses

► PHASE OUT

| | | | |
|---|---|---|---|
| H2A3-WW, warm white, typ. 3300 K, 140-160 lm, 700 mA, Vf 4.0 V, 120° | EOL | 7,20 | 8,54 |
| H2A1-H395, 395 nm, 55 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 16,50 | 19,57 |
| H2A1-H410-R2, 410 nm, 400 mW, 350 mA, Vf <3.9 V, ±75°, silicone lens | EOL | 13,50 | 16,01 |
| H2A1-H420, 420 nm, 130 mW, 350 mA, Vf 3.7 V, ±75°, silicone lens | EOL | 8,79 | 10,42 |
| LXHL-MB1D, 470 nm, 10 lm, 350 mA, ±60° | EOL | 12,00 | 14,23 |
| H2A1-H480, 480 nm, 16-18 cd, 350 mA, Vf 3.3 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H490, 490 nm, 130 mW, 350 mA, Vf 3.3 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H505, 505 nm, 130 mW, 350 mA, Vf 3.5 V, ±75° | EOL | 8,79 | 10,42 |
| LXHL-ME1D, 505 nm, 30 lm, 350 mA, ±60° | EOL | 12,00 | 14,23 |
| H2A1-H650, 650 nm, 40 mW, 350 mA, Vf 2.0 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H660, 660 nm, 60 mW, 350 mA, Vf 2.1 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H680, 680 nm, 60 mW, 350 mA, Vf 2.0 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H720, 720 nm, 70 mW, 350 mA, Vf 2.0 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H780, 780 nm, 70 mW, 350 mA, Vf 1.7 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H810, 810 nm, 90 mW, 350 mA, Vf 1.8 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H830, 830 nm, 70 mW, 350 mA, Vf 1.5 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H850, 850 nm, 90 mW, 350 mA, Vf 1.5 V, ±75° | EOL | 8,79 | 10,42 |
| H2W5-850, 850 nm, 550 mW, 2 A, Vf typ. 2.0 V, ±75°, lambertian high dome lens | EOL | 35,00 | 41,51 |
| H2W5-870, 870 nm, 550 mW, 2 A, Vf typ. 2.0 V, ±75°, lambertian high dome lens | EOL | 30,00 | 35,58 |
| H2A1-H880, 880 nm, 90 mW, 350 mA, Vf 1.5 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H920, 920 nm, 80 mW, 350 mA, Vf 1.3 V, ±75° | EOL | 8,79 | 10,42 |
| H2A1-H970, 970 nm, 40 mW, 350 mA, Vf 1.4 V, ±75° | EOL | 8,79 | 10,42 |

| HIGH POWER LUXEON FLASH LED | Status | EUR / pc | USD / pc |
|---|---|---|---|



| | | | |
|---|---|---|---|
| LXCL-PWF1, white, typ. 53 lm, 1 A pulse, ±60° | EOL | 5,96 | 7,07 |

| H11A1 HIGH POWER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power LED, 20 mm diameter aluminium disk package, 1x1 mm² LED chip size
1 Watt electrical power
available viewing angles: 30°, 60° or 120°

► PHASE OUT

| | | | |
|---|---|---|---|
| H11A1-HR-30, 625 nm, 10 cd, 20-25 mW, 350 mA, viewing angle 30° | EOL | 3,23 | 3,83 |
| H11A1-660-30, 660 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-670-30, 670 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-680-30, 680 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-770-30, 770 nm, 28-35 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-780-30, 780 nm, 110 mW, 500 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-850-30, 850 nm, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-880-30, 880 nm, 30-40 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-905-30, 905 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-920-30, 920 nm, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-940-30, 940 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |
| H11A1-940-120, 940 nm, 25-30 mW, 350 mA, viewing angle 120° | EOL | 5,70 | 6,76 |
| H11A1-970-30, 970 nm, 350 mA, viewing angle 30° | EOL | 5,70 | 6,76 |

| C11A1 HIGH POWER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power LED, 11 mm diameter aluminium disk
package, 1x1 mm² LED chip size
1 Watt electrical power
available viewing angles: 30°, 60° or 120°

► PHASE OUT

| | | | |
|---|---|---|---|
| C11A1-HU-30, 395-405 nm, 15-20 mW, 350 mA, viewing angle 30° | EOL | 5,55 | 6,58 |
| C11A1-HU-60, 395-405 nm, 15-20 mW, 350 mA, viewing angle 60° | EOL | 5,55 | 6,58 |
| C11A1-HU-120, 395-405 nm, 15-20 mW, 350 mA, viewing angle 120° | EOL | 5,55 | 6,58 |
| C11A1-HW-30, white, 20 cd, 350 mA, viewing angle 30° | EOL | 4,98 | 5,91 |
| C11A1-HW-60, white, 20 cd, 350 mA, viewing angle 60° | EOL | 4,98 | 5,91 |
| C11A1-HW-120, white, 20 cd, 350 mA, viewing angle 120° | EOL | 4,98 | 5,91 |
| C11A1-HW-120-S, soft white, 20 cd, 350 mA, viewing angle 120° | EOL | 4,98 | 5,91 |
| C11A1-HB-30, 470 nm, 14 cd, 17-20 mW, 350 mA, viewing angle 30° | EOL | 4,79 | 5,68 |
| C11A1-HB-120, 470 nm, 14 cd, 17-20 mW, 350 mA, viewing angle 120° | EOL | 4,79 | 5,68 |
| C11A1-HC-30, 505 nm, 20 cd, 15-18 mW, 350 mA, viewing angle 30° | EOL | 5,55 | 6,58 |
| C11A1-HC-120, 505 nm, 20 cd, 15-18 mW, 350 mA, viewing angle 120° | EOL | 5,55 | 6,58 |
| C11A1-HG-30, 525 nm, 25 cd, 13-17 mW, 350 mA, viewing angle 30° | EOL | 5,26 | 6,24 |
| C11A1-HY-120, 590 nm, 10 cd, 8-10 mW, 350 mA, viewing angle 120° | EOL | 2,73 | 3,24 |
| C11A1-HR-120, 625 nm, 10 cd, 20-25 mW, 350 mA, viewing angle 120° | EOL | 2,73 | 3,24 |
| C11A1-660-30, 660 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-670-30, 670 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-670-120, 670 nm, 20-25 mW, 350 mA, viewing angle 120° | EOL | 5,17 | 6,13 |
| C11A1-680-30, 680 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-680-120, 680 nm, 20-25 mW, 350 mA, viewing angle 120° | EOL | 5,17 | 6,13 |
| C11A1-690-30, 690 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-690-120, 690 nm, 25-30 mW, 350 mA, viewing angle 120° | EOL | 5,17 | 6,13 |
| C11A1-720-60, 720 nm, 28-35 mW, 350 mA, viewing angle 60° | EOL | 5,17 | 6,13 |
| C11A1-720-120, 720 nm, 28-35 mW, 350 mA, viewing angle 120° | EOL | 5,17 | 6,13 |
| C11A1-760-30, 760 nm, 28-35 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-770-30, 770 nm, 28-35 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-780-30, 780 nm, 110 mW, 500 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-820-30, 820 nm, 38-46 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-850-30, 850 nm, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-880-30, 880 nm, 30-40 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-905-30, 905 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-920-30, 920 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |
| C11A1-940-30, 940 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 5,17 | 6,13 |

| M3L1 HIGH POWER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|

high power LED with M3 thread aluminium disk
package, diameter 11 mm, thread length 6 mm
1x1 mm² chip
1 Watt electrical power

► PHASE OUT

| | | | |
|---|---|---|---|
| M3L1-HW-60, white, 16 cd, 350 mA, viewing angle 60° | EOL | 6,20 | 7,35 |
| M3L1-HW-120, white, 15 cd, 350 mA, viewing angle 120° | EOL | 6,20 | 7,35 |
| M3L1-HU-30, 395-405 nm, 15-20 mW, 350 mA, viewing angle 30° | EOL | 6,73 | 7,98 |
| M3L1-HU-60, 395-405 nm, 15-20 mW, 350 mA, viewing angle 60° | EOL | 6,73 | 7,98 |
| M3L1-HU-120, 395-405 nm, 15-20 mW, 350 mA, viewing angle 120° | EOL | 6,73 | 7,98 |
| M3L1-HB-30, 470 nm, 14 cd, 17-20 mW, 350 mA, viewing angle 30° | EOL | 6,02 | 7,14 |
| M3L1-HB-120, 470 nm, 10 cd, 17-20 mW, 350 mA, viewing angle 120° | EOL | 6,02 | 7,14 |
| M3L1-HC-120, 505 nm, 17 cd, 15-18 mW, 350 mA, viewing angle 120° | EOL | 6,73 | 7,98 |
| M3L1-HG-30, 525 nm, 25 cd, 13-17 mW, 350 mA, viewing angle 30° | EOL | 6,46 | 7,66 |
| M3L1-HG-60, 525 nm, 22 cd, 13-17 mW, 350 mA, viewing angle 60° | EOL | 6,46 | 7,66 |
| M3L1-HG-120, 525 nm, 20 cd, 13-17 mW, 350 mA, viewing angle 120° | EOL | 6,46 | 7,66 |
| M3L1-HY-30, 590 nm, 10 cd, 8-10 mW, 350 mA, viewing angle 30° | EOL | 3,90 | 4,63 |
| M3L1-HY-60, 590 nm, 8 cd, 8-10 mW, 350 mA, viewing angle 60° | EOL | 3,90 | 4,63 |
| M3L1-HY-120, 590 nm, 7 cd, 8-10 mW, 350 mA, viewing angle 120° | EOL | 3,90 | 4,63 |
| M3L1-HR-30, 625 nm, 10 cd, 20-25 mW, 350 mA, viewing angle 30° | EOL | 3,90 | 4,63 |
| M3L1-HR-120, 625 nm, 7 cd, 20-25 mW, 350 mA, viewing angle 120° | EOL | 3,90 | 4,63 |
| M3L1-670-30, 670 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-680-30, 680 nm, 20-25 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-740-120, 740 nm, 28-35 mW, 350 mA, viewing angle 120° | EOL | 6,37 | 7,55 |
| M3L1-760-30, 760 nm, 28-35 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-770-30, 770 nm, 28-35 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-880-30, 880 nm, 30-40 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-905-30, 905 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-920-30, 920 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-940-30, 940 nm, 25-30 mW, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |
| M3L1-940-120, 940 nm, 25-30 mW, 350 mA, viewing angle 120° | EOL | 6,37 | 7,55 |
| M3L1-970-30, 970 nm, 350 mA, viewing angle 30° | EOL | 6,37 | 7,55 |

| C20A1 HIGH POWER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED, aluminium disk package, diameter 20 mm, 1x1 mm² chip size 1 Watt electrical power | | | |
| RLT-WNP1000-02, white, x .28,y .28, 20 lm, 350 mA, 60° full angle | EOL | 6,62 | 7,85 |
| RLT-WNP600-02, white, x .28,y .28, 5 lm, 100 mA, 60° full angle | EOL | 2,84 | 3,37 |
| C20A1-HU-30, 395-405 nm, 15-20 mW, 350 mA, Vf <4.0 V, 30° | EOL | 5,86 | 6,95 |
| RLT-BNP1000-02, 470 nm, 11 lm, 350 mA, 60° full angle | EOL | 5,67 | 6,72 |
| RLT-BNP600-02, 470 nm, 3 lm, 100 mA, 60° full angle | EOL | 2,27 | 2,69 |
| C20A1-HC-30, 505 nm, 20 cd, 15-18 mW, 350 mA, Vf <4.0 V, 30° | EOL | 5,86 | 6,95 |
| RLT-GNP1000-02, 525 nm, 20 lm, 350 mA, 60° full angle | EOL | 6,14 | 7,28 |
| RLT-YUP600-02, 587 nm, 4 lm, 100 mA, 60° full angle | EOL | 1,51 | 1,79 |
| C20A1-HR-60, 625 nm, 7.0-8.5 cd, 20-25 mW, 350 mA, Vf <2.8 V, 60° | EOL | 3,12 | 3,70 |
| C20A1-HR-120, 625 nm, 7.0-8.5 cd, 20-25 mW, 350 mA, Vf <2.8 V, 120° | EOL | 3,12 | 3,70 |
| C20A1-H650-30, 650 nm, 70 mW, 350 mA, Vf <2.2 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H660-30, 660 nm, 20-25 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H670-30, 670 nm, 90 mW, 350 mA, Vf <2.0 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H680-30, 680 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H690-30, 690 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H720-30, 720 nm, 28-35 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H740-30, 740 nm, 28-35 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H740-60, 740 nm, 28-35 mW, 350 mA, Vf <2.5 V, 60° | EOL | 5,48 | 6,50 |
| C20A1-H770-30, 770 nm, 28-35 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H810-30, 810 nm, 38-46 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H820-30, 820 nm, 38-46 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H850-30, 850 nm, 350 mA, Vf <3.0 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H870-30, 870 nm, 350 mA, Vf <3.0 V, 30° | EOL | 11,15 | 13,22 |
| C20A1-H880-30, 880 nm, 30-40 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H905-30, 905 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |
| C20A1-H940-30, 940 nm, 25-30 mW, 350 mA, Vf <2.5 V, 30° | EOL | 5,48 | 6,50 |

| R-HP803 HIGH POWER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (>50000 hr) higher energy efficiency than incandescent and most halogen lamps low voltage DC operation instant light on/off (less than 100 ns) superior ESD protection, size: 25 x 25 mm², height 8.32 mm, optional with 15 degree collimator lens | | | |
| R-HP803NW, white, typ. 6000 K, 55 lm, 700 mA, Vf 4.0 V, 120° | EOL | 7,20 | 8,54 |
| R-HP803WW, warm white, typ. 3300 K, 45 lm, 700 mA, Vf 4.0 V, 120° | EOL | 7,20 | 8,54 |
| R-HP803NO, 590 nm, 36 lm, 700 mA, Vf 3.0 V, 120° | EOL | 6,35 | 7,53 |

| C20C3 HIGH POWER RGB LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power RGB LED, aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology 1x1 mm² chip size. 3 x 1 Watt electrical power, other wavelengths on request | | | |
| C20C3-HYGB-60, 585/515/460 nm, 8/9/3 lm, 3x 350 mA, viewing angle 60° | EOL | 5,64 | 6,69 |
| C20C3-HYRB-60, 585/620/460 nm, 8/6/3 lm, 3x 350 mA, viewing angle 60° | EOL | 5,08 | 6,02 |

| HIGH POWER RGB EMITTER LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power RGB LED series, emitter type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W | | | |
| A6-RGB-1.5, 620/515/460 nm, 5/12/4 lm, 3x150 mA, 1.5 W, ±40°, 3x anode 3x cathode | EOL | 4,20 | 4,98 |
| A6-RGB-3, 620/515/460 nm, 23/45/12 lm, 3x350 mA, 3.0 W, ±40°, 3x anode 3x cathode | EOL | 6,50 | 7,71 |
| AR58G05B24BC-A, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common anode | EOL | 11,70 | 13,88 |
| AR58G05B24BC-C, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common cathode | EOL | 11,70 | 13,88 |
| AR57G62B66BC-C, 620/515/460 nm, 4.5/10/3 lm, 3 x 150 mA, 1.5 W, ±40° | EOL | 7,18 | 8,52 |

| HIGH POWER RGB HEXAGONAL LEDs | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power RGB LED series, hex type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W | | | |
| H6-RGB-1.5, 620/515/460 nm, 5/12/4 lm, 3x150 mA, 1.5 W, ±40°, 3x anode 3x cathode | EOL | 4,70 | 5,57 |
| H4-AR58G05B24BC-C, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common - | EOL | 12,20 | 14,47 |
| H4-AR58G05B24BC-A, 620/515/460 nm, 15/15.4/6 lm, 3x350 mA, 3 W, ±40°, common + | EOL | 12,20 | 14,47 |

| | | | |
|---|---|---|---|
| H4-AR57G62B66BC-C, 620/515/460 nm, 4.5/10/3 lm, 3x150 mA, 1.5 W, ±40°, common - | EOL | 7,72 | 9,16 |

# OPTICS FOR HIGH POWER LEDS

| NARROW BEAM LENS SERIES | Status | EUR / pc | USD / pc |
|---|---|---|---|

diverse optics for high power LEDs

material: polycarbonate
designed for Luxeon

| | | | |
|---|---|---|---|
| 10048, 4 degree half angle optic | | 4,12 | 4,89 |
| 10049, 4 x 25 degree half angles optic | | 4,12 | 4,89 |
| 10003, 6 degree half angle optic | | 3,14 | 3,72 |
| 10003/15, 15 degree half angle optic | | 3,14 | 3,72 |
| 10003/25, 25 degree half angle optic | | 3,14 | 3,72 |
| 10003/L25, 6 x 25 degree half angles line optic | | 3,14 | 3,72 |
| 10034, fiber coupling optic, designed for 8-12 mm, NA 0.50 fiber bundles | | 3,86 | 4,58 |

| HOLDERS FOR NARROW BEAM LENS SERIES | Status | EUR / pc | USD / pc |
|---|---|---|---|

diverse lens holders for 1, 3 and 5 watt power LEDs

| | | | |
|---|---|---|---|
| 10012, LED optic holder, round, black, for 1 W, LED | | 0,68 | 0,81 |
| 10043, LED optic holder, hexagonal, black, for 3 W, / 5 W, LED | | 0,68 | 0,81 |
| 10065, 4° optic holder for 1 W, Luxeon, white, 17.15 x 22.7 mm | | 0,87 | 1,03 |
| 10076, 4° optic holder for 3 W, / 5 W, Luxeon, black, 16.15 x 21.7 mm | | 0,87 | 1,03 |
| 10077, 4° optic holder for 3 W, / 5 W, Luxeon, white, 16.15 x 21.7 mm | | 0,87 | 1,03 |
| 12061, 4° optic holder for 3 W, / 5 W, Luxeon, white, 16.15 x 29.0 mm | | 0,87 | 1,03 |

| ULTRA NARROW BEAM CATADIOPTIC LENS SERIES | Status | EUR / pc | USD / pc |
|---|---|---|---|

CATADIOPTIC collimating lens for LEDs
- +/- 2° ultra narrow beam
- ideal for far distance and spot illumination
- suitable for: Cree, Seoul, Avago, Luxeon
- material: polycarbonate
- efficiency ~70%

| | | | |
|---|---|---|---|
| 10158, 2 degree half angle spot optic, diameter 60 mm, height 11 mm, polycarbonate | | 17,93 | 21,26 |
| 10145, spreader lens for 10158 optic | | 1,22 | 1,45 |
| 10146, holder for 10158 optic | | 1,62 | 1,92 |

| REFLECTORS FOR HIGH POWER LEDS | Status | EUR / pc | USD / pc |
|---|---|---|---|

metalized reflectors, material polycarbonate
available for power LEDs with lambertian lens design and for Acriche LEDs

recommended optic for narrow beam generation

| | | | |
|---|---|---|---|
| 12527, Reflector, 17.0 mm, wide spot, UV stabilised PC | | 1,25 | 1,48 |
| 12530, Reflector, 17.0 mm, medium spot, UV stabilised PC | | 1,25 | 1,48 |
| CLP17CR, 6° reflector for lambertian LED, metalized polycarbonate 17.5 x 10.7 mm [DxH] | | 2,33 | 2,76 |
| CLP20CR, 6° reflector for lambertian LED, metalized polycarbonate 20.5 x 15.7 mm [DxH] | | 2,33 | 2,76 |
| CLP23CR, 20° reflector for Acriche LED, metalized polycarbonate 23.0 x 13.3 mm [DxH] | | 3,54 | 4,20 |
| CLP28ACR, 12° reflector for Acriche LED, metalized polycarbonate 27.5 x 18.3 mm [DxH] | | 3,54 | 4,20 |

# HIGH POWER LED ARRAYS

| TO-66 HIGH POWER LED ARRAYS - 60 Chips Resin \| 365 - 1650 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**TO-66 High Power LED Array**
**Silicone / Epoxy Resin**

**60 chips array** inside (6x10 chips on a 50 mm² footprint)
365 nm - 1550 nm available

Lens and Heat Sink available

| | | | |
|---|---|---|---|
| **UV** | | | |
| LED375-66-60, 375 nm, 150 mW, 200 mA, 60 chips, TO-66 | | 204,52 | 242,55 |
| LED385-66-60, 385 nm, 150 mW, 240 mA, 60 chips, TO-66 | | 204,52 | 242,55 |
| LED395-66-60, 395 nm, 670 mW, 240 mA, 60 chips, TO-66 | | 213,82 | 253,58 |
| **VIS** | | | |
| LED405-66-60, 405 nm, 310 mW, 240 mA, 60 chips, TO-66 | | 197,91 | 234,71 |
| LED420-66-60, 420 nm, 550 mW, 400 mA, 60 chips, TO-66 | | 204,52 | 242,55 |
| LED430-66-60, 430 nm, 690 mW, 240 mA, 60 chips, TO-66 | | 204,52 | 242,55 |
| LED435-66-60, 435 nm, 550 mW, 400 mA, 60 chips, TO-66 | | 208,07 | 246,76 |

| | | | |
|---|---|---|---|
| LED450-66-60, 450 nm, 700 mW, 240 mA, 60 chips, TO-66 | | 180,10 | 213,59 |
| LED470-66-60, 470 nm, 4.5 cd 120 mW, 240 mA, 60 chips, TO-66 | | 186,26 | 220,90 |
| LED505-66-60, 505 nm, 60 mW, 240 mA, 60 chips, TO-66 | | 186,26 | 220,90 |
| LED545-66-60, 545 nm, 140 mW, 240 mA, 17 V, 118°, 60 chips, TO-66 | | 551,84 | 654,46 |
| LED565-66-60, 565 nm, 1.25 cd 8 mW, 240 mA, 60 chips, TO-66 | | 60,26 | 71,47 |
| LED570-66-60, 570 nm, 7 cd 36 mW, 240 mA, 60 chips, TO-66 | | 64,50 | 76,49 |
| LED590-66-60, 590 nm, 170 mW, 240 mA, 60 chips, TO-66 | | 106,28 | 126,04 |
| LED620-66-60, 620 nm, 7 cd 120 mW, 240 mA, 60 chips, TO-66 | | 106,28 | 126,04 |
| LED630-66-60, 630 nm, 7 cd 140 mW, 240 mA, 60 chips, TO-66 | | 106,28 | 126,04 |
| LED645-66-60, 645 nm, 7 cd 120 mW, 240 mA, 60 chips, TO-66 | | 108,15 | 128,26 |
| LED660-66-60, 660 nm, 3.5 cd 180 mW, 240 mA, 60 chips, TO-66 | EOL | 38,10 | 45,19 |
| LED660N-66-60, 660 nm, 62.8 cd, 2.4 W, 1.2 A, 60 chips, TO-66 | | 106,28 | 126,04 |
| LED670-66-60, 670 nm, 450 mW, 240 mA, 60 chips, TO-66 | | 178,04 | 211,15 |
| LED680-66-60, 680 nm, 300 mW, 240 mA, 9.8 V, 120°, 60 chips, TO-66 | | 178,04 | 211,15 |
| LED690-66-60, 690 nm, 300 mW, 240 mA, 60 chips, 128°, TO-66 | | 178,04 | 211,15 |
| **IR** | | | |
| LED700-66-60, 700 nm, 300 mW, 240 mA, 60 chips, TO-66 | | 185,85 | 220,41 |
| LED720-66-60, 720 nm, 550 mW, 600 mA, 60 chips, TO-66 | | 155,22 | 184,08 |
| LED735-66-60, 735 nm, 1 W, 600 mA, 60 chips, TO-66 | | 155,22 | 184,08 |
| LED740-66-60, 740 nm, 1 W, 600 mA, 60 chips, TO-66 | | 155,22 | 184,08 |
| LED750-66-60, 750 nm, 1 W, 600 mA, 60 chips, TO-66 | | 155,22 | 184,08 |
| LED760-66-60, 760 nm, 1 W, 600 mA, 60 chips, TO-66 | | 155,22 | 184,08 |
| LED780-66-60, 780 nm, 840 mW, 600 mA, 130°, 60 chips, TO-66 | | 168,00 | 199,24 |
| LED790-66-60, 790 nm, 1 W, 600 mA, 60 chips, TO-66 | | 149,74 | 177,59 |
| LED810-66-60, 810 nm, 1 W, 600 mA, 60 chips, TO-66 | | 149,74 | 177,59 |
| LED840-66-60, 840 nm, 60 chips, TO-66 | | 151,44 | 179,60 |
| LED850-66-60, 850 nm, 1.5 W, 800 mA, 60 chips, TO-66 | EOL | 120,16 | 142,50 |
| LED870-66-60, 870 nm, 1.5 W, 800 mA, 60 chips, TO-66 | | 124,17 | 147,26 |
| LED880-66-60, 880 nm, 1.5 W, 800 mA, 60 chips, TO-66 | | 124,17 | 147,26 |
| LED890-66-60, 890 nm, 0.85 W, 800 mA, 60 chips, TO-66 | | 113,58 | 134,70 |
| LED910-66-60, 910 nm, 600 mW, 800 mA, 60 chips, TO-66 | | 159,00 | 188,57 |
| LED940-66-60, 940 nm, 550 mW, 600 mA, 60 chips, TO-66 | | 84,37 | 100,06 |
| LED950-66-60, 950 nm, 60 chips, TO-66 | | 84,37 | 100,06 |
| LED970-66-60, 970 nm, 500 mW, 800 mA, 60 chips, TO-66 | | 100,43 | 119,11 |
| LED980-66-60, 980 nm, 150 mW, 600 mA, 60 chips, TO-66 | | 120,52 | 142,93 |
| LED990-66-60, 990 nm, 100 mW, 600 mA, 6.5V, 60 chips, TO-66 | | 208,00 | 246,68 |
| LED1050S-66-60, 1050 nm, 110 mW, 600 mA, 5.7 V, 130°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1050D-66-60, 1050 nm, 390 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1070-66-60, 1070 nm, 60 mW, 600 mA, 60 chips, TO-66 | | 337,83 | 400,65 |
| LED1070D-66-60, 1070 nm, 600 mA, 60 chips, TO-66 | | o.r. | o.r. |
| LED1200D-66-60, 1200 nm, 390 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1300S-66-60, 1300 nm, 120 mW, 600 mA, 4.9 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1300D-66-60, 1300 nm, 410 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1450S-66-60, 1450 nm, 70 mW, 600 mA, 4.6 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1450D-66-60, 1450 nm, 240 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1550D-66-60, 1550 nm, 180 mW, 600 mA, 4.8 V, 120°, 60 chips, TO-66 | | 345,00 | 409,16 |
| LED1050GD-66-60, 1050 nm, 1.6 W, 600 mA, 6.5 V, 128°, 60 chips, TO-66 | | 581,30 | 689,40 |
| LED1650D-66-60, 1650 nm, 90 mW, 600 mA, 5.3 V, 128°, 60 chips, TO-66 | | 345,00 | 409,16 |
| further wavelengths available on request | | | |

| **TO-66 HIGH POWER LED ARRAYS - 60 Chips Glass Window \| 365 - 435 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **TO-66 High Power LED Array**<br>**Flat Glass Window**<br>**60 chips array** inside (6x10 chips on a 50 mm² footprint)<br>365 nm - 435 nm available<br><br>Lens and Heat Sink available | | | |
| LED365-66-60-110, 365 nm, 130 mW, 240 mA, 17 V, 102°, 60 chips, TO-66 | | 272,09 | 322,69 |
| LED375-66-60-110, 375 nm, 150 mW, 200 mA, 60 chips, TO-66 | | 272,09 | 322,69 |
| LED385-66-60-110, 385 nm, 150 mW, 240 mA, 60 chips, TO-66 | | 272,09 | 322,69 |
| LED405-66-60-110, 405 nm, 300 mW, 400 mA, 60 chips, TO-66 | | 261,13 | 309,69 |
| LED415-66-60-110, 415 nm, 300 mW, 240 mA, 60 chips, TO-66 | | 261,13 | 309,69 |
| LED420-66-60-110, 420 nm, 550 mW, 400 mA, 60 chips, TO-66 | | 261,13 | 309,69 |
| LED430-66-60-110, 430 nm, 550 mW, 400 mA, 60 chips, TO-66 | | 261,13 | 309,69 |
| LED435-66-60-110, 435 nm, 60 chips, TO-66 | | 261,13 | 309,69 |

| **TO-66 HIGH POWER LED ARRAYS - 16 Power Chips Resin \| 385 - 1550 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **TO-66 High Power LED Array**<br>**Flat Glass Window or Silicone / Epoxy Resin**<br>**16 power LED chips** inside, 4 x 4 matrix,<br>365 nm - 980 nm available<br><br>Lens and Heat Sink available | | | |
| LED385-66-16100, 385 nm, 170 mW, 200 mA, 13 V, 120°, 16 chips, TO-66 | | 256,30 | 303,96 |
| LED415-66-16100, 415 nm, 120°, 16 chips, TO-66 | | 208,07 | 246,76 |
| LED415-66-16100-110, 415 nm, 120°, 16 chips, TO-66 | | o.r. | o.r. |
| LED435V-66-16100, 435 nm, 7.5 W, 2 A, 130°, 16 chips, TO-66 | | 292,59 | 347,00 |
| LED470V-66-16100, 470 nm, 8.0 W, 2.0 A, 12.8 V, 124°, 16 chips, TO-66 | | 188,64 | 223,72 |
| LED660N-66-16100, 660 nm, 4.8 W, 1.4 A, 8.8 V, 124°, 16 chips, TO-66 | | 113,22 | 134,27 |
| LED680-66-16100, 680 nm, 450 mW, 1.4 A, 7.7 V, 120°, 16 chips, TO-66 | | 178,04 | 211,15 |

| | | | |
|---|---|---|---|
| LED690D-66-16100, 690 nm, 5.9 W, 2.4 A, 10 V, 124°, 16 chips, TO-66 | | 195,39 | 231,72 |
| LED720-66-16100, 720 nm, 550 mW, 1.4 A, 7.4 V, 120°, 16 chips, TO-66 | | 178,04 | 211,15 |
| LED735-66-16100, 735 nm, >500 mW, 1.4 A, 120°, 16 chips, TO-66 | | 178,04 | 211,15 |
| LED740-66-16100, 740 nm, 450 mW, 1.4 A, 5.5 V, 120°, 16 chips, TO-66 | | 178,04 | 211,15 |
| LED740D-66-16100, 740 nm, 4.3 W, 2.4 A, 128°, 16 chips, TO-66 | | 180,45 | 214,01 |
| LED750D-66-16100, 750 nm, 6.5 W, 3.2 A, 8.1 V 130°, 16 chips, TO-66 | | 180,45 | 214,01 |
| LED760D-66-16100, 760 nm, 5.7 W, 3.2 A, 8.6 V, 128°, 16 chips, TO-66 | | 180,45 | 214,01 |
| LED780-66-16100, 780 nm, 2.8 W, 3.2 A, 8.0 V, 120°, 16 chips, TO-66 | EOL | 178,04 | 211,15 |
| LED780D-66-16100, 780 nm, 5.6 W, 3.2 A, 8.7 V, ±64°, 16 chips, TO-66 | | 180,25 | 213,77 |
| LED790-66-16100, 790 nm, 120°, 16 chips, TO-66 | | 171,65 | 203,57 |
| LED810-66-16100, 810 nm, 900 mW, 1.4 A, 6.8 V, 120°, 16 chips, TO-66 | | 171,65 | 203,57 |
| LED830N-66-16100, 830 nm, 16 chips, TO-66 | | 157,92 | 187,29 |
| LED850D-66-16100, 850 nm, 8 W, 4 A, 8.4 V, 126°, 16 chips, TO-66 | | 138,81 | 164,62 |
| LED870-66-16100, 870 nm, 5 W, 4 A, 7.2V, 120°, 16 chips, TO-66 | | 138,81 | 164,62 |
| LED920-66-16100, 920 nm, 650 mW, 2.0 A, 5.5 V, 120°, 16 chips, TO-66 | | 93,13 | 110,45 |
| LED940-66-16100, 940 nm, 1000 mW, 2.4 A, 120°, 16 chips, TO-66 | | 93,13 | 110,45 |
| LED940D-66-16100, 940 nm, 9.4 W, 4 A, 122°, 16 chips, TO-66 | | 142,00 | 168,41 |
| LED950-66-16100, 950 nm, 750 mW, 2.0 A, 5.5 V, 120°, 16 chips, TO-66 | | 93,13 | 110,45 |
| LED1050S-66-16100, 1050 nm, 220 mW, 2 A, 4.8 V, 136°, 16 chips, TO-66 | | 306,00 | 362,90 |
| LED1050GD-66-16100, 1050 nm, 4 W, 2A, 134°, 16 chips, TO-66 | | o.r. | o.r. |
| LED1200S-66-16100, 1200 nm, 280 mW, 2 A, 4.4 V, 138°, 16 chips, TO-66 | | 306,00 | 362,90 |
| LED1300S-66-16100, 1300 nm, 200 mW, 2 A, 4.1 V, 138°, 16 chips, TO-66 | | 306,00 | 362,90 |
| LED1450S-66-16100, 1450 nm, 110 mW, 2 A, 134°, 16 chips, TO-66 | | 306,00 | 362,90 |
| LED1550S-66-16100, 1550 nm, 95 mW, 2 A, 132°, 16 chips, TO-66 | | o.r. | o.r. |

| **TO-66 HIGH POWER LED ARRAYS \| WHITE** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

**TO-66 High Power LED Array**
**Silicone / Epoxy Resin**
**12/16 power LED chips** inside,**white**

Lens and Heat Sink available

| | | | |
|---|---|---|---|
| LED47W-66-12100, white, 120°, 12 chips, TO-66 | EOL | 151,97 | 180,23 |
| LED47W-66-16100, white, 80 lm, 1.2 A, 13 V, 120°, 16 chips, TO-66 | EOL | 185,54 | 220,04 |

| **ACCESSORIES for TO-66 HIGH POWER LED ARRAYS** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

Heat sink, thermal grease, and lenses for
TO-66 high power LEDs

| | | | |
|---|---|---|---|
| HEAT SINK 47X10-5, heat sink for TO-66, aluminium, black anodized, 47.5 x 10 mm | | 6,15 | 7,29 |
| HEAT SINK 47X20, heat sink for TO-66, aluminium, black anodized, 54 g, 47.5 x 20 mm | | 9,33 | 11,06 |
| ST-700, Thermal Grease, 10% AgOx, TC >7.5 W/mK, 1 g | | 1,27 | 1,51 |
| LED-OPTIC-18, aspheric glass lens, 18 mm aperture, ±30°, f: 13.5 mm, for TO-66 LED series | | 17,87 | 21,19 |
| LED-OPTIC-12, aspheric glass lens, 12 mm aperture, ±30°, f: 12.0 mm, for TO-66 LED series | | 17,38 | 20,61 |
| LENS-13, plastic lens/reflector, ±15°, for TO-66 LED series | | 32,00 | 37,95 |

| **FAT HIGH POWER NARROW BEAM THREADED LED ARRAYS** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

high power LED array
6 power chips inside, jumbo package,
wavelength 655 nm, 685 nm, 800 nm or 870 nm

M18 x 1mm thread mounting

| | | | |
|---|---|---|---|
| FAT-655-40, 655 nm, 150 mW, 250 mA, 12.9 V, tr/tf 80/100 ns, 40°, M18x1 thread | | 63,00 | 74,72 |
| FAT-685-40, 685 nm, 250 mW, 250 mA, 12.4 V, tr/tf 80/100 ns, 40°, M18x1 thread | | 63,00 | 74,72 |
| FAT-800-40, 800 nm, 350 mW, 350 mA, 10 V, tr/tf 80/100 ns, 40°, M18x1 thread | | 46,20 | 54,79 |
| FAT-870-40, 870 nm, 350 mW, 350 mA, 10 V, tr/tf 80/100 ns, 40°, M18x1 thread | | 46,20 | 54,79 |

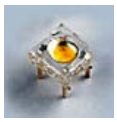
| **ELJ HIGH POWER NARROW BEAM THREADED LED ARRAYS** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

high power LED array,
6 chips, Jumbo package,
wavelengths at 590 nm, 640 nm, 660 nm,
810 nm, 880 nm, 920 nm, 950 nm

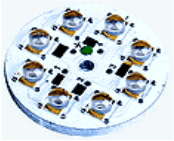
M10 x 1.5 mm thread package

| | | | |
|---|---|---|---|
| ELJ-595-225B, 590 nm, 12 mW, 100 mA, 15°, M10x1.5 | EOL | 26,50 | 31,43 |
| ELJ-630-215, 630 nm, 58 mW, 100 mA, 12°, M10x1.5 | EOL | 26,50 | 31,43 |

| 10 mm THROUGH HOLE LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED series,<br>4 parallel chips inside,<br>If: 80 mA,<br>10 mm clear epoxy | | | |
| 10W43-HCA-H, white, 13-15 cd, 80 mA, Vf <4.0 V, 60° | EOL | 2,80 | 3,32 |
| RLS-10W2P4D, white, 22 cd, 80 mA, Vf <3.4 V, 8-10°, 10 mm epoxy | | 3,64 | 4,32 |
| 10W43-HCA-4P, white, 20-25 lm, 80 mA, Vf <3.6 V, 50° | EOL | 2,80 | 3,32 |
| 10W4DHCB-H, white, 13-15 cd, 80 mA, Vf <4.0 V, 180° | EOL | 2,92 | 3,46 |
| 10B43-HCA-H, 470 nm, 8-10 cd, 80 mA, Vf <4.0 V, 60° | EOL | 2,68 | 3,18 |
| 10B4DHCB-H, 470 nm, 8-10 cd, 80 mA, Vf <4.0 V, 180° | EOL | 2,80 | 3,32 |
| 10C43-HCA-H, 505 nm, 9-12 cd, 80 mA, Vf <4.0 V, 60° | EOL | 2,88 | 3,42 |
| 10C4DHCB-H, 505 nm, 9-11 cd, 80 mA, Vf <4.0 V, 180° | EOL | 3,00 | 3,56 |
| 10G43-HCA-H, 525 nm, 15-18 cd, 80 mA, Vf <3.8 V, 60° | EOL | 2,88 | 3,42 |
| 10G4DHCB-H, 525 nm, 15-18 cd, 80 mA, Vf <3.8 V, 180° | EOL | 3,00 | 3,56 |
| 10Y43-HCA-H, 590 nm, 7-8 cd, 80 mA, Vf <2.2 V, 60° | EOL | 1,48 | 1,76 |
| 10Y4DHCB-H, 590 nm, 8-9 cd, 80 mA, Vf <2.2 V, 180° | EOL | 1,60 | 1,90 |
| 10R4DHCB-H, 625 nm, 7-8 cd, 80 mA, Vf <2.2 V, 180° | EOL | 1,60 | 1,90 |

| 4-PIN / PIRANHA LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  high power LED series<br>4 parallel chips inside,<br>If: 80 mA,<br>clear epoxy package<br>base size: 7.6 x 7.6 mm² | | | |
| 5W4S2HCA, white, 5-8 cd, 80 mA, Vf <4.0 V, ±90° | EOL | 1,68 | 1,99 |
| 5B4S2HCA, 470 nm, 3-6 cd, 80 mA, Vf <4.0 V, ±90° | EOL | 1,39 | 1,65 |
| 5G4S2HCA, 528 nm, 7-10 cd, 80 mA, Vf <4.0 V, ±90° | EOL | 1,81 | 2,15 |
| 5Y4S2HCA, 590 nm, 3-6 cd, 80 mA, Vf <2.2 V, ±90° | EOL | 0,86 | 1,02 |
| 5R4S2HCA, 622 nm, 3-6 cd, 80 mA, Vf <2.2 V, ±90° | EOL | 0,83 | 0,98 |

| 35L3 HIGH POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED array<br>aluminium plate package with 3x 1 mm² power chips onboard<br>LED chips connected in parallel<br><br>Size: 35 mm diameter | | | |
| 35L3-HW-60, white, 20 cd, 1050 mA , Vf <4.0 V, 60° | EOL | 17,50 | 20,75 |
| 35L3-HU-60, 395-405 nm, 3 x 16 mW, 1050 mA, Vf <4.0 V, 60° | EOL | 19,50 | 23,13 |
| 35L3-HB-60, 470 nm, 28 cd, 3 x 18 mW, 1050 mA, Vf <4.0 V, 60° | EOL | 16,90 | 20,04 |
| 35L3-HC-60, 505 nm, 36 cd, 3 x 17 mW, 1050 mA, Vf <4.0 V, 60° | EOL | 19,50 | 23,13 |
| 35L3-HG-60, 525 nm, 28 cd, 3 x 15 mW, 1050 mA , Vf <3.8 V, 60° | EOL | 18,50 | 21,94 |
| 35L3-HY-60, 590 nm, 24 cd, 3 x 10 mW, 1050 mA, Vf <2.8 V, 60° | EOL | 9,50 | 11,27 |
| 35L3-HR-60, 625 nm, 20 cd, 3 x 22 mW, 1050 mA, Vf <2.8 V, 60° | EOL | 9,50 | 11,27 |
| 35L3-H850-60, 850 nm, xxx mW, 1500 mA, Vf <2.5 V, 60° | EOL | 18,50 | 21,94 |
| 35L3-H880-60, 880 nm, 3 x 45 mW, 1500 mA, Vf <2.4 V, 60° | EOL | 18,50 | 21,94 |
| 35L3-H940-60, 940 nm, 3 x 40 mW, 1500 mA, Vf <2.2 V, 60° | EOL | 18,50 | 21,94 |

| C38A8 HIGH POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  high power LED array<br>aluminium plate package<br>8x 1 mm² power chips onboard<br>total 8 W electrical power<br>size: 38 mm diameter | | | |
| C38A8-HU-30, 395-405 nm, 8 x 16 mW, 4 x 350 mA, Vf 4 x typ. 7.6 V, 30° | EOL | 38,00 | 45,07 |
| C38A8-HB-30, 470 nm, 8 x 4.5 lm, 4 x 350 mA, Vf 4 x typ. 7.0 V, 30° | EOL | 32,50 | 38,54 |
| C38A8-HY-30, 590 nm, 8 x 10 lm, 4 x 350 mA, Vf 4 x typ. 4.1 V, 30° | EOL | 23,00 | 27,28 |
| C38A8-H850-30, 850 nm, 8 x 40 mW, 4 x 300 mA, Vf 4 x typ. 2.9 V, 30° | EOL | 40,50 | 48,03 |
| C38A8-H880-30, 880 nm, 8 x 40 mW, 4 x 300 mA, Vf 4 x typ. 2.8 V, 30° | EOL | 40,50 | 48,03 |

| L2X3 HIGH POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED array<br>aluminium plate package<br>24x 3528 SMD LEDs onboard<br><br>size: 42.1 mm diameter | | | |
| L2X3-I3CA, 850 nm, 24 x 20 mW/sr, 130 mA, Vf 12 VDC, 120° | EOL | 7,25 | 8,60 |
| L2X2-I5LA, 940 nm, 24 x 20 mW/sr, 400 mA, Vf 6 VDC, 120° | EOL | 6,20 | 7,35 |
| L2X3-I5LA, 940 nm, 24 x 20 mW/sr, 130 mA, Vf 12 VDC, 120° | EOL | 6,20 | 7,35 |

| RLT-MIL SUPER HIGH POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED array, metal PCB package with 12 parallel 1 mm² power chips, 30°.<br><br>Size: 72 x 32 mm² | | | |
| RLT-MIL505-12C-30, 505 nm, 12 power chips, 12 x 18 mW, 4.2 A, 4.5V, 30° | EOL | 80,08 | 94,97 |
| RLT-MIL590-12A-30, 590 nm, 12 power chips, 12 x 10 mW, 4.2 A, 3.3V, 30° | EOL | 50,72 | 60,15 |
| RLT-MIL630-12R-30, 630 nm, 12 power chips, 12 x 24 mW, 4.2 A, 3.3V, 30° | EOL | 50,72 | 60,15 |
| RLT-MIL810-12I-30, 810 nm, 12 power chips, 12 x 150 mW, 4.2 A, 2.5V, 30° | EOL | 91,53 | 108,55 |
| RLT-MIL850-12I-30, 850 nm, 12 power chips, 12 x 160 mW, 4.2 A, 2.5V, 30° | EOL | 91,53 | 108,55 |
| RLT-MIL880-12I-30, 880 nm, 12 power chips, 12 x 120 mW, 4.2 A, 2.5V, 30° | EOL | 91,53 | 108,55 |
| RLT-MIL940-12I-30, 940 nm, 12 power chips, 12 x 120 mW, 4.2 A, 2.3V, 30° | EOL | 91,53 | 108,55 |

| RLT-xA SUPER HIGH POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED array<br>3x 3 high power LED chips on aluminium plate,<br>drive current typ. 1050 mA, electrical power typ. 10 W<br>size: 38.3 x 39.7 mm² | | | |
| RLT-BA1000-02, 3x3 array, 470 nm, 100 lm, 1.05 A, 10.2 V, 60° | EOL | 64,00 | 75,90 |
| RLT-GA1000-02, 3x3 array, 525 nm, 140 lm, 1.05 A, 10.5 V, 60° | EOL | 62,00 | 73,53 |

| ELM SUPER HIGH POWER LED ARRAY | Status | EUR / pc | USD / pc |
|---|---|---|---|
| | | | |
| ELM-875-8X24-2, 870 nm, 720 mW, 500 mA, Vf 7.0 V, 25°, size 24 x 8 x 5.5 mm | EOL | 72,00 | 85,39 |

| ELA SUPER HIGH POWER LED ARRAY | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED arrays for<br>illumination purposes | | | |
| ELA-920-22X60, 920 nm, 2 x 10 emitters, 1 W, 22 x 60 mm | EOL | 92,22 | 109,37 |

| TO3A4 HIGH POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| high power LED array<br>TO-3 package with **4 power LED chips** inside,<br>2 x 2 matrix<br><br>diverse wavelengths available on request | | | |
| TO3A4-H390-180, 382-390 nm, 200 mW, 1.4 A, Vf 4.1 V, ±90°, TO-3 | EOL | 63,00 | 74,72 |
| TO3A4-HU-180, 395-405 nm, 65 mW, 1.4 A, Vf 4.5 V, ±90°, TO-3 | EOL | 23,80 | 28,23 |
| TO3A4-HB-180, 470 nm, 90 mW, 1.4 A, Vf 4.4 V, ±90°, TO-3 | EOL | 19,40 | 23,01 |
| TO3A4-HW-180, white, 70 cd, 1.4 A, Vf 4.1 V, ±90°, TO-3 | EOL | 21,20 | 25,14 |
| TO3A4-HY-180, 590 nm, 160 mW, 1.4 A, Vf 2.6 V, ±90°, TO-3 | EOL | 14,40 | 17,08 |
| TO3A4-HR-180, 630 nm, 110 mW, 1.4 A, Vf 2.5 V, ±90°, TO-3 | EOL | 14,40 | 17,08 |
| TO3A4-H650-180, 650 nm, 130 mW, 1.4 A, Vf 2.5 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H660-180, 660 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H670-180, 670 nm, 200 mW, 1.4 A, Vf 2.5 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H680-180, 680 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H690-180, 690 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H720-180, 720 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H740-180, 740 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H760-180, 760 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H770-180, 770 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H780-180, 780 nm, 270 mW, 1.4 A, Vf 2.2 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H810-180, 810 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H820-180, 820 nm, 260 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H880-180, 880 nm, 200 mW, 1.2 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H890-180, 890 nm, 200 mW, 1.4 A, Vf 1.9 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H905-180, 905 nm, 150 mW, 1.2 A, Vf 1.7 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |
| TO3A4-H940-180, 940 nm, 150 mW, 1.2 A, Vf 1.7 V, ±90°, TO-3 | EOL | 25,40 | 30,12 |

| IDLT WHITE POWER LED ARRAYS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| industrial series high power LED array<br>alu PCB design, diameter 55 mm<br><br>brightness up to 1200 lm | | | |
| IDLT018-CW3, white, 5000-10000 K, 220 lm, ±75°, If 320 mA, Vf 9.0-11.0 V | EOL | 6,85 | 8,12 |
| IDLT018-CW6, white, 5000-10000 K, 430 lm, ±75°, If 640 mA, Vf 9.0-11.0 V | EOL | 10,44 | 12,38 |
| IDLT018-WW3, warm white, 2700-4500 K, 200 lm, ±75°, If 320 mA, Vf 9.0-11.0 V | EOL | 6,85 | 8,12 |
| IDLT018-WW6, warm white, 2700-4500 K, 410 lm, ±75°, If 640 mA, Vf 9.0-11.0 V | EOL | 10,44 | 12,38 |
| IDLT018-WW9, warm white, 2700-4500 K, 700 lm, ±75°, If 960 mA, Vf 9.0-11.0 V | EOL | 14,35 | 17,02 |

industrial series high power LED array
alu PCB design, diameter 30 mm

## brightness 115 lm

| | | | |
|---|---|---|---|
| IDLT021-CW1, white, 5000-10000 K, 115 lm, ±75°, If 120 mA, Vf 11.6-13.5V | EOL | 4,70 | 5,57 |
| IDLT021-WW1, warm white, 2700-4500 K, 110 lm, ±75°, If 120 mA, Vf 9.0-11.0V | EOL | 4,70 | 5,57 |
| IDLT021-CW1HV, white, 5000-1000 K, 115 lm, ±75°, If 20 mA, Vf 70-82 V | EOL | 4,70 | 5,57 |
| IDLT021-WW1HV, warm white, 2700-4500 K, 110 lm, ±75°, If 20 mA, Vf 70-82 V | EOL | 4,70 | 5,57 |

industrial durable high power LED array
alu PCB design 48 x 7 x 1.7 mm

## brightness 175 lm

| | | | |
|---|---|---|---|
| IDLT020-WW3, warm white, 2700-4500 K, 160 lm, ±75°, If 320 mA, Vf 9.0-10.5 V | EOL | 7,05 | 8,36 |

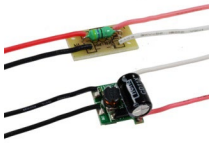
# DRIVERS FOR LEDS

| LED TESTER | Status | EUR / pc | USD / pc |
|---|---|---|---|

**compact handheld LED Tester**
2, 5, 10, 20, 30, 50, 70, 150 mA selectable
suitable for standard and piranha LEDs
control LED
**battery included**

| | | | |
|---|---|---|---|
| LED TESTER, 2...150 mA, battery included, 75 g, 80 x 55 x 22 mm | | 9,90 | 11,74 |

| DRIVERS FOR LEDS | Status | EUR / pc | USD / pc |
|---|---|---|---|



**Drivers for LEDs**

- constant current logic
- easy to install
- small size

| | | | |
|---|---|---|---|
| LLP20, output 20-30 mA, input 1.5 VDC, for 1-5 LEDs (Vf 3.0 V), 21x11 mm | | 2,48 | 2,94 |
| CDDL350, output 350 mA, 12-24 V, input 7-30 VDC, 18x13 mm | | 3,90 | 4,63 |
| CDDL700, output 700 mA, 12-24 V, input 7-30 VDC, 18x13 mm | | 3,90 | 4,63 |

Constant current driver for high power LEDs
**- Supply voltage 220 -240 VAC**
- DC constant current output
- Output current selectable by jumper
- Protection: thermal, overload, overvoltage, short circuit
- CE certified, complies EN 61347-2-13

| | | | |
|---|---|---|---|
| MULTIPOWER15-2, 150/250/350 mA, 220-240 VAC, 15 W, 34 x 115 x 19 mm³ | NEW | 28,70 | 34,04 |
| MULTIPOWER42, 150-900 mA, 220-240 VAC, 42 W, 110 x 30 x 21 mm³ | NEW | 34,40 | 40,80 |

Constant current driver for high power LEDs
**- Supply voltage 95 -240 VAC**
- DC constant current output
- Thermal overload protection
- Short circuit protection
- CE certified, complies EN 61347-2-13

| | | | |
|---|---|---|---|
| PTDCC/3/350N, 350 mA, 95 - 240 VAC, 3 W, 40 x 42 x 21 mm³ | | 15,90 | 18,86 |

Constant current driver for high power LEDs
**- Supply voltage 220 -240 VAC**
- DC constant current output
- Thermal overload protection
- Short circuit protection
- CE certified, complies EN 61347

| | | | |
|---|---|---|---|
| PTDCC/15/500, 500 mA, 220-240 VAC, 17 W, 38 x 123 x 21 mm³ | | 27,35 | 32,44 |
| PTDCC/15/700, 700 mA, 220-240 VAC, 17 W, 38 x 123 x 21 mm³ | | 28,55 | 33,86 |

Constant current driver for high power LED
**- Supply voltage 95 -240 VAC**
- DC constant current output
- Thermal overload and short circuit protection
- Built-in type
- CE certified, complies EN 61347

| | | | |
|---|---|---|---|
| PTDCCL/10/350, 350 mA, 95-240 VAC, 10 W, 22 x 145 x 22 mm³ | | 19,80 | 23,48 |

# MID-IR LEDS

| MID-IR LEDS \| single chip \| 1.05 - 4.80 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Standard Mid-IR LEDs**<br>- wavelength: 1 - 5 µm<br>- QCW and pulse mode operation<br>options: parabolic reflector (**R**), window (**W**), thermoelectric cooler and thermoresistor (**T**), glass cover (**L**), narrow spectrum (**NS**)<br>package: SMD, TO-18, TO-5 | | | |
| **1.05 µm** | | | |
| LED10-SMD3020, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, SMD 3x2 mm | | 68,45 | 81,18 |
| LED10, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, cap, window | | 85,10 | 100,93 |
| LED10-R, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, no window | | 96,20 | 114,09 |
| LED10-RW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, window | | 118,40 | 140,42 |
| LED10-TW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, cap, window, TEC | | 252,00 | 298,86 |
| LED10-TRW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, reflector, window, TEC | | 271,25 | 321,69 |
| **1.32 µm** | | | |
| LED13-SMD3020, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, SMD 3x2 mm | | 68,45 | 81,18 |
| LED13, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, cap, window | | 85,10 | 100,93 |
| LED13-R, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, no window | | 96,20 | 114,09 |
| LED13-RW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, window | | 118,40 | 140,42 |
| LED13-TW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, cap, window, TEC | | 252,00 | 298,86 |
| LED13-TRW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, reflector, window, TEC | | 271,25 | 321,69 |
| **1.45 µm** | | | |
| LED14-SMD3020, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, SMD 3x2 mm | | 68,45 | 81,18 |
| LED14, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, cap, window | | 85,10 | 100,93 |
| LED14-R, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, no window | | 96,20 | 114,09 |
| LED14-RW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, window | | 118,40 | 140,42 |
| LED14-TW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, cap, window, TEC | | 252,00 | 298,86 |
| LED14-TRW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, reflector, window, TEC | | 271,25 | 321,69 |
| **1.53 µm** | | | |
| LED15-SMD3020, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, SMD 3x2 mm | | 68,45 | 81,18 |
| LED15, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, cap, window | | 85,10 | 100,93 |
| LED15-R, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, no window | | 96,20 | 114,09 |
| LED15-RW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, window | | 118,40 | 140,42 |
| LED15-TW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, cap, window, TEC | | 252,00 | 298,86 |
| LED15-TRW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, reflector, window, TEC | | 271,25 | 321,69 |
| **1.65 µm** | | | |
| LED16-SMD3020, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, SMD 3x2 mm | | 68,45 | 81,18 |
| LED16, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, cap, window | | 85,10 | 100,93 |
| LED16-R, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, no window | | 96,20 | 114,09 |
| LED16-RW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, window | | 118,40 | 140,42 |
| LED16-TW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, cap, window, TEC | | 252,00 | 298,86 |
| LED16-TRW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, reflector, window, TEC | | 271,25 | 321,69 |
| **1.73 µm** | | | |
| LED17-SMD3020, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, SMD 3x2 mm | | 68,45 | 81,18 |
| LED17, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, cap, window | | 85,10 | 100,93 |
| LED17-R, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, no window | | 96,20 | 114,09 |
| LED17-RW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, window | | 118,40 | 140,42 |
| LED17-TW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, cap, window, TEC | | 252,00 | 298,86 |
| LED17-TRW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, reflector, window, TEC | | 271,25 | 321,69 |
| **1.85 µm** | | | |
| LED18-SMD3020, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, SMD 3x2 mm | | 83,25 | 98,73 |
| LED18, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, cap, window | | 92,50 | 109,70 |
| LED18-R, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, no window | | 103,60 | 122,87 |
| LED18-RW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, window | | 125,80 | 149,19 |
| LED18-TW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, cap, window, TEC | | 259,00 | 307,16 |
| LED18-TRW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, reflector, window, TEC | | 278,25 | 329,99 |
| **1.95 µm** | | | |
| LED19-SMD3020, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, SMD 3x2 mm | | 83,25 | 98,73 |
| LED19, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, cap, window | | 92,50 | 109,70 |
| LED19-R, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window | | 103,60 | 122,87 |
| LED19-RW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, window | | 125,80 | 149,19 |
| LED19-TW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC | | 259,00 | 307,16 |
| LED19-TRW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC | | 278,25 | 329,99 |
| **2.05 µm** | | | |
| LED20-SMD3020, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm | | 83,25 | 98,73 |
| LED20, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window | | 92,50 | 109,70 |
| LED20-R, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window | | 103,60 | 122,87 |
| LED20-RW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window | | 125,80 | 149,19 |
| LED20-TW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC | | 259,00 | 307,16 |
| LED20-TRW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC | | 278,25 | 329,99 |
| **2.15 µm** | | | |
| LED21-SMD3020, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm | | 83,25 | 98,73 |
| LED21, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window | | 92,50 | 109,70 |
| LED21-R, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window | | 103,60 | 122,87 |
| LED21-RW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window | | 125,80 | 149,19 |
| LED21-TW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC | | 259,00 | 307,16 |
| LED21-TRW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC | | 278,25 | 329,99 |
| **2.22 µm** | | | |

| | | |
|---|---|---|
| LED22-SMD3020, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD 3x2 mm | 70,30 | 83,37 |

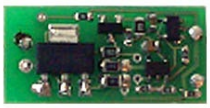
| | | |
|---|---|---|
| LED22, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, no window | 92,50 | 109,70 |
| LED22-R, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED22-RW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window | 125,80 | 149,19 |
| LED22-TW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED22-TRW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **2.35 µm** | | |
| LED23-SMD3020, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, SMD 3x2 mm | 83,25 | 98,73 |
| LED23, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, cap, no window | 92,50 | 109,70 |
| LED23-R, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED23-RW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, window | 125,80 | 149,19 |
| LED23-TW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED23-TRW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **2.75 µm** | | |
| LED27-SMD3020, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, SMD 3x2 mm | 83,25 | 98,73 |
| LED27, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, cap, no window | 92,50 | 109,70 |
| LED27-R, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED27-RW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, window | 125,80 | 149,19 |
| LED27-CH, 2.70-2.79 µm, FWHM 300-500 nm, QCW 50-150 µW, TO-18, chalcogenide glass | 103,60 | 122,87 |
| LED27-TW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED27-TRW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **2.84 µm** | | |
| LED28-SMD3020, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, SMD 3x2 mm | 83,25 | 98,73 |
| LED28, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, cap, no window | 92,50 | 109,70 |
| LED28-R, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED28-RW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, window | 125,80 | 149,19 |
| LED28-CH, 2.83-2.90 µm, FWHM 300-500 nm, QCW 100-300 µW, TO-18, chalcogenide glass | 103,60 | 122,87 |
| LED28-TW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED28-TRW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **3.40 µm** | | |
| LED34-SMD3020, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, SMD 3x2 mm | 38,85 | 46,07 |
| LED34, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, cap, no window | 49,95 | 59,24 |
| LED34-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, no window | 61,05 | 72,40 |
| LED34-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, window | 83,25 | 98,73 |
| LED34-CH, 3.30-3.44 µm, FWHM 250-600 nm, QCW 100-300 µW, TO-18, chalcogenide glass | 61,05 | 72,40 |
| LED34-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, cap, window, TEC | 218,75 | 259,43 |
| LED34-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, reflector, window, TEC | 238,00 | 282,26 |
| **3.45 µm** | | |
| LED35-SMD3020, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, SMD 3x2 mm | 83,25 | 98,73 |
| LED35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, cap, no window | 92,50 | 109,70 |
| LED35-R, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED35-RW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, window | 125,80 | 149,19 |
| LED35-TW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED35-TRW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **3.56 µm** | | |
| LED36-SMD3020, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, SMD 3x2 mm | 83,25 | 98,73 |
| LED36, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, cap, no window | 92,50 | 109,70 |
| LED36-R, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED36-RW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, window | 125,80 | 149,19 |
| LED36-TW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED36-TRW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **3.85 µm** | | |
| LED38-SMD3020, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, SMD 3x2 mm | 38,85 | 46,07 |
| LED38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, cap, no window | 49,95 | 59,24 |
| LED38-R, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, no window | 61,05 | 72,40 |
| LED38-RW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, window | 83,25 | 98,73 |
| LED38-CH, 3.70-3.94 µm, FWHM 400-700 nm, QCW 80-180 µW, TO-18, chalcogenide glass | 61,05 | 72,40 |
| LED38-TW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, cap, window, TEC | 218,75 | 259,43 |
| LED38-TRW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, reflector, window, TEC | 238,00 | 282,26 |
| **4.05 µm** | | |
| LED41-SMD3020, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, SMD 3x2 mm | 70,30 | 83,37 |
| LED41, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, cap, no window | 92,50 | 109,70 |
| LED41-R, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED41-RW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, window | 125,80 | 149,19 |
| LED41-TW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, cap, window, TEC | 259,00 | 307,16 |
| LED41-TRW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| **4.15 µm** | | |
| LED43-SMD3020, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, SMD 3x2 mm | 38,85 | 46,07 |
| LED43, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, cap, no window | 49,95 | 59,24 |
| LED43-R, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, no window | 61,05 | 72,40 |
| LED43-RW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, window | 83,25 | 98,73 |
| LED43-CH, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 80-180 µW, TO-18, chalcogenide glass | 58,80 | 69,73 |
| LED43-TW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, cap, window, TEC | 218,75 | 259,43 |
| LED43-TRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, reflector, window, TEC | 238,00 | 282,26 |
| LED43-CHTRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW >50 µW, TO-5, chalcogenide glass, reflector, window, TEC | 307,00 | 364,09 |

| | | |
|---|---|---|
| **4.35 µm** | | |
| LED44-R, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >12 µW, TO-18, reflector, no window | 103,60 | 122,87 |
| LED44-RW, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >12 µW, TO-18, reflector, window | 125,80 | 149,19 |
| LED44-CH, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >75 µW, TO-18, chalcogenide glass | 103,60 | 122,87 |
| LED44-TRW, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >10 µW, TO-5, reflector, window, TEC | 278,25 | 329,99 |
| LED44-CHTRW, 4.15-4.40 µm, FWHM 800-1200 nm, QCW >45 µW, TO-5, chalcogenide glass, reflector, window, TEC | 348,00 | 412,71 |
| **4.70 µm** | | |
| IR S-LED 4.70, peak 4.7 µm, 5µW@200mA CW, 25µW@1A pulsed, ±15°, TO-39 | 172,92 | 205,08 |
| **4.80 µm** | | |
| IR S-LED 4.80, peak 4.8 µm, 5µW@200mA CW, 25µW@1A pulsed, ±15°, TO-39 | 210,42 | 249,55 |

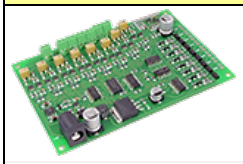
| **MID-IR LEDS \| multi chip \| 1.05 - 4.60 µm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| **3.40 µm, 4 chips, single wavelength** | | | |
| LED34M4, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, cap, window | | 246,40 | 292,22 |
| LED34M4-R, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, reflector, | | 257,60 | 305,50 |
| LED34M4-RW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, reflector, window | | 280,00 | 332,07 |
| LED34M4-TW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-5, cap, window, TEC | | 420,00 | 498,10 |
| LED34M4-TRW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-5, reflector, win., TEC | | 440,00 | 521,82 |
| **4.30 µm, 4 chips, single wavelength** | | | |
| LED43M4, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, cap, window | | 246,40 | 292,22 |
| LED43M4-R, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, reflector, | | 257,60 | 305,50 |
| LED43M4-RW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, reflector, window | | 299,60 | 355,31 |
| LED43M4-TW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-5, cap, window, TEC | | 420,00 | 498,10 |
| LED43M4-TRW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-5, reflector, win., TEC | | 420,00 | 498,10 |
| **2 chips, multi-wavelength, independent operation** | | | |
| LED1915M2, 1.94 and 1.55 µm, peak, 2 chips, independent, TO-18 | | 221,20 | 262,33 |
| LED2015M2, 2.06 and 1.55 µm, peak, 2 chips, independent, TO-18 | | 221,20 | 262,33 |
| LED2315M2, 2.34 and 1.55 µm, peak, 2 chips, independent, TO-18 | | 226,80 | 268,98 |
| LED3429M2, 3.34 and 2.9 µm, peak, 2 chips, independent, TO-18 | | 221,20 | 262,33 |
| LED3629M2, 3.6 and 2.9 µm, peak, 2 chips, independent, TO-18 | | 221,20 | 262,33 |
| LED3829M2, 3.8 and 2.9 µm, peak, 2 chips, independent, TO-18 | | 221,20 | 262,33 |
| LED4337M2, 4.27 and 3.7 µm, peak, 2 chips, independent, TO-18 | | 226,80 | 268,98 |
| LED4637M2, 4.67 and 3.7 µm, peak, 2 chips, independent, TO-18 | | 226,80 | 268,98 |
| **1.3 - 2.1 µm, 6 chips, multi-wavelength, independent operation** | | | |
| LED13-21M6, 1.3-2.1 µm, 6 independet chips, pulse mode, TO-5, cap, window | | 220,00 | 260,91 |
| LED13-21M6-TW, 1.3-2.1 µm, 6 independet chips, pulse mode, TO-5, cap, window, TEC | | 220,00 | 260,91 |
| **further wavelengths on request** | | | |

# ACCESSORIES FOR MID-IR LEDS

| **PARABOLIC REFLECTOR** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
| PARABOLIC REFLECTOR, aluminium reflector for TO-18 package | | 16,00 | 18,98 |

| **MINI DRIVER BOARDS FOR MID-IR LEDs \| QCW and PULSED MODE** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|
|  **Current pulse drivers for LEDs and Mid-IR LEDs**<br>- open pcb type<br>- fixed parameters<br>- synchronization output<br><br>operating voltage: 5 VDC<br>size: 12 x 24 mm | | | |
| PCB-MDRIVER-QCW, QCW mode, 50%, duty cycle, 500 µs on/off, f 1kHz, current 150 mA | | 103,60 | 122,87 |
| PCB-MDRIVER-P, PULSED mode, 20 µs, 1 kHz, 1 A | | 103,60 | 122,87 |

| MULTI-CHANNEL DRIVER BOARD FOR MID-IR LEDs \| PULSED MODE | Status | EUR / pc | USD / pc |
|---|---|---|---|



**Multi-Channel pulse driver for LEDs and Mid-IR LEDs**

- open pcb type
- fixed pulsed mode (set to your needs)
- each channel 0.4 A and 0.5 kHz

operating voltage: 12 VDC
size: 105 x 70 x 15 mm

| | | | |
|---|---|---|---|
| PCB-DRIVER-MC, multi-channel, up to 8 channels, PD input, synch. detector | | 808,50 | 958,85 |
| PCB-DRIVER-MCA, multi-channel, up to 8 channels, PD input & preamplifier, synch. detector | | 808,50 | 958,85 |

| CURRENT CONTROLLERS FOR MID-IR LEDs \| QCW and PULSED MODE | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Drivers for LEDs and Laser Diodes**

- qcw mode
  for max. average optical power
- pulsed mode
  for max. peak optiacl power
- available with integrated thermocooler

| | | | |
|---|---|---|---|
| D-11, qcw & pulsed driver for LEDs and LDs, adjustable operation mode | | 148,00 | 175,52 |
| D-31M, qcw & pulsed driver for LEDs, adjustable current/pulse/rep. rate | | 216,30 | 256,52 |
| DLT-27, qcw & pulsed mode driver for LEDs and LDs with TEC | | 413,70 | 490,63 |
| DLT-37, qcw & pulsed mode driver for LEDs with TEC, adj.current/pulse/rep. rate | | 426,30 | 505,57 |

# FIBER-COUPLED LEDS

| FIBER-COUPLED LEDs \| single wavelength | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Fiber-Coupled LED, Single Wavelength**

available in the wavelength range from 375 to 1550 nm

- compact size (head 64 x 46.5 x 30 mm)
- adjustable output power
- standard fiber: 600 µm, 0.22 NA
- driver unit and power supply included

optional available: analog or TTL modulation

| | | | |
|---|---|---|---|
| LED375-10F0, 375 nm, 10 mW, fiber core 600 µm, SMA connector | | 645,50 | 765,54 |
| LED405-8F0, 405 nm, 8 mW, fiber core 600 µm, SMA connector | | 645,50 | 765,54 |
| LED430-1F5, 405 nm, 1.5 mW, fiber core 600 µm, SMA connector | | 918,30 | 1.089,07 |
| LED460-8F0, 460 nm, 8 mW, fiber core 600 µm, SMA connector | | 764,80 | 907,02 |
| LED470-5F0, 470 nm, 5 mW, fiber core 600 µm, SMA connector | | 816,00 | 967,74 |
| LED500-3F0, 500 nm, 3 mW, fiber core 600 µm, SMA connector | | 867,10 | 1.028,34 |
| LED530-5F0, 530 nm, 5 mW, fiber core 600 µm, SMA connector | | 867,10 | 1.028,34 |
| LED565-3F0, 565 nm, 3 mW, fiber core 600 µm, SMA connector | | 816,00 | 967,74 |
| LED600-3F0, 600 nm, 3 mW, fiber core 600 µm, SMA connector | | 867,10 | 1.028,34 |
| LED620-6F0, 620 nm, 6 mW, fiber core 600 µm, SMA connector | | 867,10 | 1.028,34 |
| LED625-5F0, 620 nm, 5 mW, fiber core 600 µm, SMA connector | | 867,10 | 1.028,34 |
| LED660-5F0, 660 nm, 5 mW, fiber core 600 µm, SMA connector | | 867,10 | 1.028,34 |
| LED730-5F0, 730 nm, 5 mW, fiber core 600 µm, SMA connector | | 884,20 | 1.048,62 |
| LED808-5F0, 808 nm, 5 mW, fiber core 600 µm, SMA connector | | 918,30 | 1.089,07 |
| LED850-8F0, 850 nm, 8 mW, fiber core 600 µm, SMA connector | | 969,40 | 1.149,67 |
| LED880-1F0, 880 nm, 1 mW, fiber core 600 µm, SMA connector | | 816,00 | 967,74 |
| LED940-4F0, 940 nm, 4 mW, fiber core 600 µm, SMA connector | | 816,00 | 967,74 |
| LED1050-4F0, 1050 nm, 4 mW, fiber core 600 µm, SMA connector | | 1.293,30 | 1.533,80 |

| FIBER-COUPLED LEDs \| multi wavelength | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Fiber-Coupled LED, Multi-Wavelength**

contains multiple wavelengths, as required, in the range from 375 to 1550 nm.

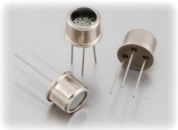
- up to 12 different wavelengths
- independent and adjustable output power
- fiber core size: 400, 600, 800 or 1000 µm
- one-box-solution, power supply included

optional available: analog or TTL modulation

| | | | |
|---|---|---|---|
| LED-MULTI-F-4, multi-wavelength, 4 wavelengths, adjustable output, fiber-coupled, one-box | | 3.579,90 | 4.245,61 |
| LED-MULTI-F-12, multi-wavelength LED engine, light guide 1m, core 600µm, 12 wavelengths, adjustable output | | o.r. | o.r. |

# PHOTODIODES - UV

| UV PHOTODIODES \| GaN | Status | EUR / pc | USD / pc |
|---|---|---|---|
| UV-photodiodes based on GaN, AlGaN and InGaN are intrinsic visible blind due to high bandgap material, extreme irradiation hardness | | | |
| **UVC \| < 245 nm** | | | |
| GFUV-T10GD-L, far UVC, <245 nm, AlGaN, 1.536 mm², TO-46, quartz glass | | 28,13 | 33,36 |
| **UVC \| 220 - 280 nm** | | | |
| GUVC-S10GD, 220-280 nm, AlGaN, 0.076 mm², SMD 3535, metal, silicone resin, quartz glass | | 6,75 | 8,01 |
| GUVC-T10GD, 220-280 nm, AlGaN, 0.076 mm², TO-46, quartz glass, cathode case | | 18,45 | 21,88 |
| GUVC-T11GD, 220-280 nm, AlGaN, 0.076 mm², TO-46, quartz glass, anode case | | 15,30 | 18,15 |
| GUVC-T10GD-L, 220-280 nm, AlGaN, 1.536 mm², TO-46, quartz glass | | 26,33 | 31,23 |
| GUVC-T20GD-U, 220-280 nm, AlGaN, 6.894 mm², TO-39, quartz glass | | 81,90 | 97,13 |
| **UVC \| 220 - 280 nm \| LED Monitoring** | | | |
| GUVCL-S10GD, 230-320 nm, AlGaN, 0.076 mm², SMD 3535, metal, silicone resin, quartz glass | | 7,88 | 9,35 |
| GUVCL-T10GD, 230-320 nm, AlGaN, 0.076 mm², TO-46, quartz glass | | 20,25 | 24,02 |
| **UVB \| 220 - 320 nm** | | | |
| GUVB-C21SD, 260-320 nm, AlGaN, 0.076 mm², COB 2.4x1.8x1.0 mm | | 3,60 | 4,27 |
| GUVB-S11SD, 240-320 nm, AlGaN, 0.4 mm, SMD 3528, ceramic, silicone resin | | 5,25 | 6,23 |
| GUVB-S31GD, 220-320 nm, AlGaN, 0.076 mm², SMD 3535, metal, silicone resin, quartz glass | | 6,75 | 8,01 |
| GUVB-C31SM, digital sensor, AlGaN, 0.0162 mm², I2C, 2.6-3.6 V, silicone, COB 2.0x2.3x1.4 mm | EOL | 5,40 | 6,40 |
| GUVB-T11GD, 220-320 nm, AlGaN, 0.076 mm², TO-46, quartz glass | | 16,20 | 19,21 |
| GUVB-T11GD-L, 220-320 nm, AlGaN, 1.536 mm², TO-46, quartz glass | | 25,43 | 30,16 |
| GUVB-T21GD-U, 220-320 nm, AlGaN, 6.894 mm², TO-39, quartz glass | | 66,90 | 79,34 |
| **UVA \| 220 - 370 nm** | | | |
| GUVA-S12SD, 240-370 nm, GaN, 0.076 mm², SMD 3528, ceramic, silicone resin | | 3,79 | 4,49 |
| GUVA-S12GDC, 200-370 nm, GaN, 0.076 mm², SMD 3535, ceramic package, quartz glass | | 7,65 | 9,07 |
| GUVA-C22SD, 240-370 nm, GaN, 0.076 mm², COB 2418, Si encapsulant | | 2,45 | 2,91 |
| GUVA-C32SM, digital sensor, GaN, 0.0162 mm², I2C, 2.6-3.6 V, silicone, COB 2.0x2.3x1.4 mm | EOL | 4,95 | 5,87 |
| GUVA-T11GD, 220-370 nm, GaN, 0.076 mm², TO-46, quartz glass, cathode case | | 11,48 | 13,61 |
| GUVA-T13GD, 220-370 nm, GaN, 0.076 mm², TO-46, quartz glass, anode case | | 11,47 | 13,60 |
| GUVA-T31GD, 220-370 nm, GaN, 0.076 mm², TO-46, quartz glass, 3-Pin | | 11,48 | 13,61 |
| GUVA-T11GD-L, 220-370 nm, GaN, 1.536 mm², TO-46, quartz glass | | 18,00 | 21,35 |
| GUVA-T31GD-L, 220-370 nm, GaN, 1.536 mm², TO-46, quartz glass, 3-Pin, anode & cathode insulated | | 18,68 | 22,15 |
| GUVA-T21GD-U, 220-370 nm, GaN, 6.894 mm², TO-39, quartz glass | | 43,70 | 51,83 |
| **UV Broadband \| 230 - 395 nm** | | | |
| GUVV-C20SD, 240-395 nm, InGaN, 0.076 mm², COB 2.4x1.8x1.0 mm | | 2,70 | 3,20 |
| GUVV-S10SD, 240-395 nm, InGaN, 0.076 mm², SMD 3528, ceramic, silicone resin | | 3,90 | 4,63 |
| GUVV-T10GD, 230-395 nm, InGaN, 0.076 mm², TO-46, quartz glass | | 15,30 | 18,15 |
| GUVV-T13GD-L, 295-395 nm, InGaN, 1.024 mm², TO-46, quartz glass | | 24,30 | 28,82 |
| **UVB - VIS \| 295 - 510 nm** | | | |
| GVBL-S12SD, 345-450 nm, InGaN, chip size 0.06 mm², SMD 3528, ceramic, silicone resin | | 2,45 | 2,91 |
| GVBL-T14GD, 345-445 nm, InGaN, chip size 0.065 mm², TO-46, quartz glass | | 13,40 | 15,89 |
| GVGR-S11SD, 295-490 nm, InGaN, chip size 0.0484 mm², SMD 3528, ceramic, silicone resin | | 2,45 | 2,91 |
| GVGR-T10GD, 300-510 nm, InGaN, 0.051 mm², TO-46, quartz glass | EOL | 11,48 | 13,61 |
| GVGR-T11GD, 295-505 nm, InGaN, 0.0484 mm², TO-46, quartz glass | | 11,48 | 13,61 |

| UV PHOTODIODES \| GaN \| integrated TIA | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  UV-photodiode based on GaN, AlGaN and InGaN with integrated transimpedance amplifier for ultra low level UV radiation detection peak response: 280 nm, 320 nm, 370 nm, 395 nm | | | |
| GUVCL-T21GH, 230-320 nm, AlGaN, 0.076 mm², integrated TI ampl., TO-5, quartz glass | | 31,50 | 37,36 |
| GUVC-T21GH, 220-280 nm, AlGaN, 0.076 mm², integrated TI ampl., TO-5, quartz glass | | 28,20 | 33,44 |
| GUVB-T21GH, 220-320 nm, AlGaN, 0.076 mm², integrated TI ampl., TO-5, quartz glass | | 28,20 | 33,44 |
| GUVA-T21GH, 220-370 nm, GaN, 0.076 mm², integrated TI ampl., TO-5, quartz glass | | 28,90 | 34,27 |
| GUVV-T21GH, 230-395 nm, InGaN, 0.076 mm², integrated TI ampl., TO-5, quartz glass | | 47,70 | 56,57 |

| UV SENSOR MODULES \| GaN | Status | EUR / pc | USD / pc |
|---|---|---|---|
| UV Sensor Modules based on GaN<br>Single supply voltage<br>0-5VDC output voltage<br><br>GUVC, GUVB series: AlGaN based<br>GUVA series: GaN based<br>GUVV, GVBL, GVGR series: InGaN based | | | |
| **Analog Output** | | | |
| GUVV-S10SM-LA, sensor module, 240-395 nm, 0.076 mm², 0-5V output, silicone, SMD, 28x17x9 mm³ | | 75,43 | 89,46 |
| GUVA-T11GM-LA, sensor module, 220-370 nm, 0.076 mm², 0-5V output, TO-can, 28x17x9 mm³ | | 90,72 | 107,59 |
| GUVA-S12SM-LA, sensor module, 240-370 nm, 0.076 mm², 0-5V output, silicone, SMD, 28x17x9 mm³ | | 56,07 | 66,50 |
| GUVA-S12GM-LA, sensor module, 240-370 nm, 0.076 mm², 0-5V output, SMD, metal, 28x17x9 mm³ | | 56,07 | 66,50 |
| GUVB-T11GM-LA, sensor module, 220-320 nm, 0.076 mm², 0-5V output, TO-can, 28x17x9 mm³ | | 90,72 | 107,59 |
| GUVB-S11SM-LA, sensor module, 240-320 nm, 0.076 mm², 0-5V output, silicone, SMD, 28x17x9 mm³ | | 56,07 | 66,50 |

| | | |
|---|---|---|
| GUVC-T10GM-LA, sensor module, 220-280 nm, 0.076 mm², 0-5V output, TO-can, 28x17x9 mm³ | 90,72 | 107,59 |
| GFUV-T10GM-LA-L, far UVC sensor module, 222 nm, 1.536 mm², TO-can, 28x17x9 mm³ | 98,90 | 117,29 |
| **Digital Output** | | |
| GUVV-S10GM, digital sensor, 395 nm, 0.076 mm², 0-50 mW/cm², 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm | 24,75 | 29,35 |
| GUVA-S12GM, digital sensor, 370 nm, 0.076 mm², 0-50 mW/cm², 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm | 24,75 | 29,35 |
| GUVB-S31GM, digital sensor, 320 nm, 0.076 mm², 0-50 mW/cm², 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm | 24,75 | 29,35 |
| GUVC-S10GM, digital sensor, 280 nm, 0.076 mm², 0-50 mW/cm², 10-bit, I2C, 3.0-3.6 V, 8-Pin, metal, 13x13x3 mm | 24,75 | 29,35 |
| **For Arduino** | | |
| GVGR-T10GM-AD, sensor module, 300-510 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |
| GVBL-T12GM-AD, sensor module, 320-445 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |
| GUVL-T10GM-AD, sensor module, 220-320 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |
| GUVV-T10GM-AD, sensor module, 230-395 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |
| GUVA-T11GM-AD, sensor module, 220-370 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |
| GUVB-T11GM-AD, sensor module, 220-320 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |
| GUVC-T10GM-AD, sensor module, 220-280 nm, 0.076 mm², Arduino, TO, 28x17x9 mm³ | 59,43 | 70,48 |

| **UV PHOTODIODES \| SIC** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

**Silicon Carbide** Photodiodes offering high visible blindness, low dark current, high speed, and low noise

- operating temp. range -55 ...170°C
- visble blindness >$10^{10}$
- UVA, -B, -C, and UV broadband version avail.
- Erythem versions for measuring UV-index (UVI) available

| | | |
|---|---|---|
| **UVC \| 230 - 285 nm** | | |
| SIC01S-C18, UVC, 230-285 nm, peak 270 nm, Ø0.06 mm², TO-18 | 61,20 | 72,58 |
| SIC01S-C18D, UVC, 230-285 nm, peak 270 nm, Ø0.06 mm², TO-18, diffusor | 79,20 | 93,93 |
| SIC01S-C5, UVC, 230-285 nm, peak 270 nm, Ø0.06 mm², TO-5 | 66,00 | 78,27 |
| SIC01M-C18, UVC, 230-285 nm, peak 270 nm, Ø0.2 mm², TO-18 | 90,00 | 106,74 |
| SIC01M-C5, UVC, 230-285 nm, peak 270 nm, Ø0.2 mm², TO-5 | 94,80 | 112,43 |
| SIC01M-C5D, UVC, 230-285 nm, peak 270 nm, Ø0.2 mm², TO-5, diffusor | 112,80 | 133,78 |
| SIC01D-C18, UVC, 230-285 nm, peak 270 nm, Ø0.5 mm², TO-18 | 90,00 | 106,74 |
| SIC01D-C18D, UVC, 230-285 nm, peak 270 nm, Ø0.5 mm², TO-18, diffusor | 108,00 | 128,08 |
| SIC01D-C5D, UVC, 230-285 nm, peak 270 nm, Ø0.5 mm², TO-5, diffusor | 112,80 | 133,78 |
| SIC01D-C5LENS, UVC, 225-287 nm, peak 275 nm, Ø0.5 mm², TO-5, lens, flame detection (EN298) | 111,60 | 132,35 |
| SIC01L-C18, UVC, 230-285 nm, peak 270 nm, Ø1.0 mm², TO-18 | 162,00 | 192,13 |
| SIC01L-C18ISO90, UVC, 225-287 nm, peak 275 nm, Ø1.0 mm², TO-18, both pins isolated | 164,40 | 194,97 |
| SIC01L-C5, UVC, 230-285 nm, peak 270 nm, Ø1.0 mm², TO-5 | 162,00 | 192,13 |
| SIC01F-C5, UVC, 230-285 nm, peak 270 nm, Ø1.82 mm², TO-5 | 189,60 | 224,86 |
| SIC01L-C5ISO90, UVC, 225-287 nm, peak 275 nm, Ø1.0 mm², TO-5, both pins isolated | 164,40 | 194,97 |
| SIC01XL-C5, UVC, 230-285 nm, peak 270 nm, Ø7.6 mm², TO-5 | 473,00 | 560,96 |
| SIC01XL-C5ISO90, UV-broadband, 225-287 nm, peak 275 nm, Ø7.6 mm², TO-5, both pins isolated | 475,00 | 563,33 |
| **UVB \| 230 - 315 nm** | | |
| SIC01S-B18, UVB, 230-315 nm, peak 280 nm, Ø0.06 mm², TO-18 | 61,20 | 72,58 |
| SIC01M-B5, UVB, 230-315 nm, peak 280 nm, Ø0.2 mm², TO-5 | 90,00 | 106,74 |
| SIC01M-B18, UVB, 230-315 nm, peak 280 nm, Ø0.2 mm², TO-18 | 90,00 | 106,74 |
| SIC01D-BC18, UVB, 230-315 nm, peak 280 nm, Ø0.5 mm², TO-18 | 90,00 | 106,74 |
| SIC01L-B5, UVB, 230-315 nm, peak 280 nm, Ø1.0 mm², TO-5 | 162,00 | 192,13 |
| SIC01L-B18, UVB, 230-315 nm, peak 280 nm, Ø1.0 mm², TO-18 | 162,00 | 192,13 |
| SIC01L-B5ISO90, UVB, 231-309 nm, peak 280 nm, Ø1.0 mm², TO-5, both pins isolated | 164,40 | 194,97 |
| SIC01XL-B5, UVB, 230-315 nm, peak 280 nm, Ø7.6 mm², TO-5 | 473,00 | 560,96 |
| **UVA \| 310 - 370 nm** | | |
| SIC01S-A18, UVA, 310-370 nm, peak 335 nm, Ø0.06 mm², TO-18 | 61,20 | 72,58 |
| SIC01S-A5, UVA, 310-370 nm, peak 335 nm, Ø0.06 mm², TO-5 | 66,10 | 78,39 |
| SIC01M-A18, UVA, 310-370 nm, peak 335 nm, Ø0.2 mm², TO-18 | 90,00 | 106,74 |
| SIC01M-A5, UVA, 310-370 nm, peak 335 nm, Ø0.2 mm², TO-5 | 94,80 | 112,43 |
| SIC01D-A18, UVA, 310-370 nm, peak 335 nm, Ø0.5 mm², TO-18 | 90,00 | 106,74 |
| SIC01D-A18ISO90, UVA, 309-367 nm, peak 331 nm, Ø0.5 mm², TO-18, both pins isolated | 97,20 | 115,28 |
| SIC01D-A5, UVA, 310-370 nm, peak 335 nm, Ø0.5 mm², TO-5 | 94,80 | 112,43 |
| SIC01L-A18, UVA, 309-367 nm, peak 331 nm, Ø1.0 mm², TO-18 | 162,00 | 192,13 |
| SIC01L-A18ISO90, UVA, 309-367 nm, peak 331 nm, Ø1.0 mm², TO-18, both pins isolated | 164,40 | 194,97 |
| SIC01L-A5, UVA, 310-370 nm, peak 335 nm, Ø1.0 mm², TO-5 | 162,00 | 192,13 |
| SIC01XL-A5, UVA, 210-370 nm, peak 335 nm, Ø7.6 mm², TO-5 | 473,00 | 560,96 |
| **UV Broadband \| 215 - 365 nm** | | |
| SIC01S-18, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm², TO-18 | 32,40 | 38,43 |
| SIC01S-18S, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm², TO-18, low cap | 37,20 | 44,12 |
| SIC01S-18ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm², TO-18, both pins isolated | 39,60 | 46,96 |
| SIC01S-18D, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm², TO-18 | 50,40 | 59,77 |
| SIC01S-5, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm², TO-5 | 37,20 | 44,12 |
| SIC01S-5ISO90LENS, UV-broadband, 215-365 nm, peak 285 nm, Ø0.06 mm², TO-5, both pins isolated, lens | 62,70 | 74,36 |
| SIC01M-18, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm², TO-18 | 61,20 | 72,58 |
| SIC01M-18S, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm², TO-18, low cap | 61,20 | 72,58 |
| SIC01M-18ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm², TO-18, both pins isolated | 61,20 | 72,58 |
| SIC01M-5, UV-broadband, 215-365 nm, peak 285 nm, Ø0.2 mm², TO-5 | 66,00 | 78,27 |
| SIC01M-5LENS, UV-broadband, 220-360 nm, peak 288 nm, Ø0.2 mm², TO-5, flame detection (EN298) | 82,80 | 98,20 |
| SIC01D-18, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm², TO-18 | 61,20 | 72,58 |
| SIC01D-18ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm², TO-18, both pins isolated | 61,20 | 72,58 |
| SIC01D-18S, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm², TO-18, low cap | 61,20 | 72,58 |
| SIC01D-5, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm², TO-5 | 66,00 | 78,27 |
| SIC01D-5ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø0.5 mm², TO-5, both pins isolated | 66,00 | 78,27 |
| SIC01D-5LENS, UV-broadband, 220-360 nm, peak 288 nm, Ø0.5 mm², TO-5, flame detection (EN298) | 82,80 | 98,20 |
| SIC01L-18, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm², TO-18 | 128,40 | 152,28 |
| SIC01L-18S, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm², TO-18, low cap | 128,40 | 152,28 |

| | | |
|---|---|---|
| SIC01L-18ISO90, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm², TO-18, both pins isolated | 135,60 | 160,82 |
| SIC01L-5, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm², TO-5 | 133,20 | 157,97 |
| SIC01L-5ISO90, UV-broadband, 210-380 nm, peak 285 nm, Ø1.0 mm², TO-5, both pins isolated | 135,60 | 160,82 |
| SIC01L-5ISO90LENS, UV-broadband, 215-365 nm, peak 285 nm, Ø1.0 mm², TO-5, both pins isolated, lens | 180,50 | 214,07 |
| SIC01L-5LENS, UV-broadband, 220-360 nm, peak 288 nm, Ø1.0 mm², TO-5, flame detection (EN298) | 150,00 | 177,89 |
| SIC01F-5, UV-broadband, 215-365 nm, peak 285 nm, Ø1.82 mm², TO-5 | 160,80 | 190,70 |
| SIC01F-5ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø1.82 mm², TO-5, both pins isolated | 160,80 | 190,70 |
| SIC01XL-5, UV-broadband, 215-365 nm, peak 285 nm, Ø7.6 mm², TO-5 | 447,00 | 530,12 |
| SIC01XL-5ISO90, UV-broadband, 215-365 nm, peak 285 nm, Ø7.6 mm², TO-5, both pins isolated | 447,00 | 530,12 |
| SIC01Q-5, UV-broadband, 215-365 nm, peak 285 nm, 4x 1.4 mm², TO-5 | 704,00 | 834,91 |
| **UV-Index \| DIN5050, CIE087** | | |
| SIC01L-E5, Erythem, 2 nA/UVI, Ø1.0 mm², UV-Index (DIN5050/CIE087), TO-5 | 174,00 | 206,36 |

| **UV PHOTODIODES \| SIC \| integrated TIA** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

Silicon Carbide pre-amplified UV photodetector

**- integrated transimpendance amplifier**
**- 0...5V stable output voltage**
**- no external amplifier required**
**- TO-5 metal can housing**

| | | |
|---|---|---|
| **UVC \| 230 - 285 nm** | | |
| UV-TIAMO-C1, 225-287 nm, <180 nW/cm², chip size 0.5 mm², flat window | 189,75 | 225,04 |
| UV-TIAMO-BLC2, 225-287 nm, <180 nW/cm², chip size 0.5 mm², ball lens | 165,00 | 195,68 |
| UV-TIAMO-BLC3, 225-287 nm, <1.8 µW/cm², chip size 0.5 mm², ball lens | 165,00 | 195,68 |
| UV-TIAMO-C4, 225-287 nm, <18 µW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-C5, 225-287 nm, <180 µW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-C6, 225-287 nm, <1.8 mW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-C7, 225-287 nm, <18 mW/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| UV-TIAMO-C8, 225-287 nm, <180 mW/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| UV-TIAMO-C9, 225-287 nm, <1.8 W/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| **UVB \| 243 - 303 nm** | | |
| UV-TIAMO-B4, 243-303 nm, <7.5 µW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-B5, 243-303 nm, <75 µW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-B6, 243-303 nm, <0.75 mW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| **UVA \| 310 - 370 nm** | | |
| UV-TIAMO-BLA, 309-367 nm, <18 µW/cm², chip size 0.5 mm², ball lens | 165,00 | 195,68 |
| UV-TIAMO-A5, 309-367 nm, <180 µW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-A6, 309-367 nm, <1.8 mW/cm², chip size 0.5 mm², flat window with diffusor | 165,00 | 195,68 |
| UV-TIAMO-A7, 309-367 nm, <18 mW/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| UV-TIAMO-A8, 309-367 nm, <180 mW/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| UV-TIAMO-A9, 309-367 nm, <1.0 W/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| **UV Broadband \| 215 - 365 nm** | | |
| UV-TIAMO-BL, 221-358 nm, <18 nW/cm², chip size 0.5 mm², ball lens, flame detection | 165,00 | 195,68 |
| UV-TIAMO-BL2, 221-358 nm, <180 nW/cm², chip size 0.5 mm², ball lens | 151,80 | 180,03 |
| UV-TIAMO-S3, 227-360 nm, <1, 8 µW/cm², chip size 0.5 mm², flat window with diffusor | 151,80 | 180,03 |
| UV-TIAMO, 227-360 nm, <18 µW/cm², chip size 0.5 mm², flat window with diffusor | 151,80 | 180,03 |
| UV-TIAMO-S5, 227-360 nm, <180 µW/cm², chip size 0.5 mm², flat window with diffusor | 151,80 | 180,03 |
| UV-TIAMO-S6, 227-360 nm, <1.8 mW/cm², chip size 0.5 mm², flat window with diffusor | 151,80 | 180,03 |
| UV-TIAMO-S7, 227-360 nm, <18 mW/cm², chip size 0.5 mm², flat window with attenuator | 151,80 | 180,03 |
| UV-TIAMO-M8, 227-360 nm, <180 mW/cm², chip size 0.5 mm², flat window with attenuator | 151,80 | 180,03 |
| UV-TIAMO-M9, 227-360 nm, <1.8 W/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| UV-TIAMO-M10, 227-360 nm, <18 W/cm², chip size 0.5 mm², flat window with attenuator | 165,00 | 195,68 |
| **UV-Index \| DIN5050, CIE087** | | |
| UV-TIAMO-E1, 300-400 nm, <3 UVI, flat window, UV-Index (CIE087) | 165,00 | 195,68 |
| UV-TIAMO-E2, 300-400 nm, <30 UVI, flat window, UV-Index (CIE087) | 165,00 | 195,68 |

| **UV-TIAMO housing options** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

optional housings for UV-TIAMO Series

material: stainless steel or PTFE
waterproof: IP68 or pressure proof <10 bar

| | | |
|---|---|---|
| UV-TIAMO HS5, stainless steel M12x1 thread body, binder 5-pin plug, 2m cable, 2.5-5 VDC | 141,10 | 167,34 |
| UV-TIAMO HS24, stainless steel M12x1 thread body, binder 4-pin plug, 2m cable, 7-24 VDC | 141,10 | 167,34 |
| UV-TIAMO HWS24, stainless steel G1/4" thread body, water pressure proof, <10bar, binder 5-pin plug, 2m cable, 7-24V | 141,00 | 167,22 |
| UV-TIAMO HP5, PTFE M12x1 thread body, IP68, binder 5-pin plug, 2m cable, 2.5-5 VDC | 141,10 | 167,34 |
| UV-TIAMO HP24, PTFE M12x1 thread body, IP68, binder 4-pin plug, 2m cable, 7-24 VDC | 141,10 | 167,34 |
| UV-TIAMO HWP5, PTFE G1/4" thread body, water pressure proof, <10bar, binder 5-pin plug, 2m cable, 2.5-5V | 141,10 | 167,34 |
| UV-TIAMO HWP24, PTFE G1/4" thread body, water pressure proof, <10bar, binder 5-pin plug, 2m cable, 7-24V | 141,10 | 167,34 |

| **UV-TIAMO starter kit** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

starter kit for UV-TIAMO Series

| | | |
|---|---|---|
| UV-TIAMO SKIT, starter kit, connector socket, 9 V block battery plug, 2 banana plugs | 27,75 | 32,91 |

# PHOTODIODES - VIS

| VIS PHOTODIODES \| Silicon | Status | EUR / pc | USD / pc |
|---|---|---|---|

Silicon PIN photodiodes featuring excellent responsibility
and high photocurrent
Range of Sensivity: 400-1100 nm, peak @ 900 nm
Different packages: TO-46, TO-39, 3 mm, 5 mm, SMD
RoHS compliant

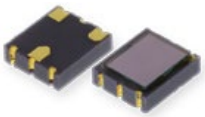
| | | | |
|---|---|---|---|
| SPD19-33, active area 0.43x0.43 mm, 900 nm peak, Id 12 nA, angle 50°, 3 mm epoxy package | | 1,52 | 1,80 |
| SPD19-C, active area 0.44x0.44 mm, 900 nm peak, Id 6 nA, angle 80°, SMD 3.0x2.0x1.1 mm | | 2,52 | 2,99 |
| SPD19-CT, active area 0.44x0.44 mm, 900 nm peak, Id 6 nA, angle 80°, SMD 3.5x2.7x1.8 mm | | 2,28 | 2,70 |
| SPD64-02, active area 0.81x0.81 mm, 900 nm peak, Id 20 nA, angle 28°, 5 mm epoxy package | | 2,16 | 2,56 |
| SPD64-04, active area 0.81x0.81 mm, 900 nm peak, Id 14 nA, angle 90°, 5 mm epoxy package | | 3,89 | 4,61 |
| SPD64-04B, active area 0.81x0.81 mm, 900 nm peak, Id 14 nA, angle 28°, filter, 5 mm epoxy package | EOL | 1,77 | 2,10 |
| SPD64-05, active area 0.8 x 0.8 mm², 5 mm epoxy, ±40° | | 2,03 | 2,41 |
| SPD17-0F, active area 1.25x1.25 mm, 900 nm peak, Id 25 nA, angle 110°, epoxy resin, TO-46 | | 5,95 | 7,06 |
| SPD400-0F, active area 2.0x2.0 mm, 900 nm peak, Id 50 nA, angle 120°, epoxy resin, TO-46 | | 28,68 | 34,01 |

| VIS PHOTODIODES \| Silicon \| integrated TIA | Status | EUR / pc | USD / pc |
|---|---|---|---|

PIN silicon photodiodes with low noise JFET TI amplifier,
integrated feedback resistor and capacitor,
hermetical TO-5 package with collimating glass lens,
very low offset and drift parameters,
dual supply voltage +/-5 V up to +/-18V,
operating temperature: -25° .. +85 °C,
RoHS and WEEE conformity

| | | | |
|---|---|---|---|
| IQ800L, active area 4.8 mm², transimpedance 100 MOhm, 35 us, 10 kHz, ±5 degree | | 79,80 | 94,64 |
| IQ801L, active area 4.8 mm², transimpedance 10 MOhm, 15 us, 25 kHz, ±5 degree | | 79,80 | 94,64 |
| IQ802L, active area 4.8 mm², transimpedance 1 MOhm, 3 us, 120 kHz, ±5 degree | | 87,80 | 104,13 |

| VIS AVALANCHE PHOTODIODES \| Silicon | Status | EUR / pc | USD / pc |
|---|---|---|---|



Silicon Avalanche Photodiode
for Range Finding Application, LIDAR

- small package: 3.8x3.8x1.3 mm²
- high gain at low bias
- fast response time, low noise
- 905 nm narrowband filter

available packages: LCC, TO-52 can

| | | | |
|---|---|---|---|
| APD230-SMD, active area Ø0.23 mm, tr/tf 0.2 5ns, 1.5 pF, 3030 SMD package | | 19,80 | 23,48 |
| APD500-LCC, active area Ø0.5 mm, tr/tf 0.6 ns, 1.2 pF, LCC6 package | | 24,30 | 28,82 |
| APD500-TO52, active area Ø0.5 mm, tr/tf 0.6 ns, 1.2 pF, TO-52 package | | 33,10 | 39,26 |
| APD500-TO52F, active area Ø0.5 mm, tr/tf 0.6 ns, 1.2 pF, TO-52 package | | 39,00 | 46,25 |

| VIS PHOTO TRANSISTOR \| Silicon | Status | EUR / pc | USD / pc |
|---|---|---|---|
| SPT36-05, chip size 0.8 x 0.8 mm², 5 mm epoxy, flat, photo current typ. 4 mA, ±40° | | 2,65 | 3,14 |
| SPT36-33, chip size 0.8 x 0.8 mm², 3 mm epoxy, photo current typ. 7 mA, ±25° | | 2,65 | 3,14 |
| SPT64-05, active area 0.8 x 0.8 mm², 5 mm epoxy, ±40° | | 2,28 | 2,70 |
| SPT64-33, active area 0.8 x 0.8 mm², 3 mm epoxy, photo current typ. 10 mA, ±25° | | 2,03 | 2,41 |

| VIS SELECTIVE PHOTODIODES \| Silicon | Status | EUR / pc | USD / pc |
|---|---|---|---|

wavelength selective photodiodes
based on GaP,
no interference filter or color glass filter used,
photodiodes are intrinsic wavelength selective

| | | | |
|---|---|---|---|
| **BLUE** | | | |
| EPD-470-3-0.5, 385-565 nm, active area 0.17 mm², 3 mm epoxy | | 12,90 | 15,30 |
| EPD-470-5-0.5, 385-565 nm, active area 0.17 mm², 5 mm epoxy | | 12,90 | 15,30 |
| **GREEN** | | | |
| EPD-525-5-0.5, 410-580 nm, active area 0.17 mm², 5 mm epoxy | | 4,50 | 5,34 |
| EPD-525-1-0.9, 410-580 nm, active area 0.62 mm², SMD 1206 | | 7,00 | 8,30 |
| **RED** | | | |
| EPD-660-3-0.9, 605-705 nm, active area 0.62 mm², 3 mm epoxy | | 12,51 | 14,84 |
| EPD-660-1-0.9, 605-705 nm, active area 0.62 mm², SMD 1206 | | 28,10 | 33,33 |
| **IR** | | | |
| EPD-880-5-0.5, 800-960 nm, active area 0.17 mm², 5 mm epoxy | | 7,00 | 8,30 |
| EPD-880-5-0.9, 800-960 nm, active area 0.62 mm², 5 mm epoxy | | 7,00 | 8,30 |
| EPD-880-1-0.9, 800-960 nm, active area 0.62 mm², SMD 1206 | | 7,00 | 8,30 |
| EPD-1300-3-0.2, 800-1750 nm, active area 0.032 mm², 3 mm epoxy | | 18,90 | 22,41 |

# PHOTODIODES - IR

| IR PHOTODIODES \| GaAs \| integrated TIA | Status | EUR / pc | USD / pc |
|---|---|---|---|

GaAs PIN photodiodes with integrated TI amplifier

- 2.5 Gbps data rates
- ball lens or flat window
- TO-46 package

| | | | |
|---|---|---|---|
| PD850-27TB-AMP, GaAs PIN PD, chip size 0.27x0.27 mm, 850 nm peak, 2.5 Gbps, TIA, TO-46, ball lens | | 8,80 | 10,44 |
| PD850-27TF-AMP, GaAs PIN PD, chip size 0.27x0.27 mm, 850 nm peak, 2.5 Gbps, TIA, TO-46, flat window | | 8,80 | 10,44 |

| IR PHOTODIODES \| InGaAs | Status | EUR / pc | USD / pc |
|---|---|---|---|

InGaAs, GaAs and InAsP photodiodes
diverse packages
chip die available on request

| | | | |
|---|---|---|---|
| **900 - 1700 nm** | | | |
| IPD1450-038-SMT, 1450 nm peak, chip size 0.38x0.38 mm, Id <1 nA, angle 116°, SMD, 3.5x2.7x1.8 mm | | 7,16 | 8,49 |
| IPD1450-038-5T, 1450 nm peak, chip size 0.38x0.38 mm, Id <1 nA, angle 58°, TO-18, flat window | | 20,85 | 24,73 |
| PT4113, InGaAs PIN, 0.9 - 1.7 µm, Ø75 µm, >3 dBm, TO-46, flat window | | 16,90 | 20,04 |
| PT4113B, InGaAs PIN, 0.9 - 1.7 µm, Ø75 µm, >3 dBm, TO-46, ball lens | | 16,90 | 20,04 |
| PT5113, InGaAs PIN, 0.9 - 1.7 µm, Ø300 µm, >6 dBm, TO-46, flat window | | 18,70 | 22,18 |
| PT5113B, InGaAs PIN, 0.9 - 1.7 µm, Ø300 µm, >6 dBm, TO-46, ball lens | | o.r. | o.r. |
| LAPD-05-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø455 µm, TO-46 | | 33,26 | 39,44 |
| LAPD-05-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø455 µm, TO-46 | | 25,19 | 29,87 |
| LAPD-1-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø0.95 mm, TO-46 | | 46,00 | 54,55 |
| LAPD-1-09-17-TO46-T5P, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø0.95 mm, TEC, 5-pin, TO-46 | | o.r. | o.r. |
| LAPD-1-09-17-LCC, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø0.95 mm, 6CLCC | | 46,00 | 54,55 |
| IPD1450-200-SMB, 1550 nm peak, active area 2x2 mm, Id <5 nA, angle 124°, SMD, 5.0x5.2x1.0 mm | | 57,96 | 68,74 |
| LAPD-2-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø1.85 mm, TO-39 | | 152,25 | 180,56 |
| LAPD-2-09-17-TO39-T8P, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø1.85 mm, TEC, TO-39, 8-Pin | | o.r. | o.r. |
| LAPD-2-09-17-LCC, InGaAs, 0.9 - 1.7 µm, aperture size Ø1.85 mm, 8LCC | | 152,25 | 180,56 |
| PT711, InGaAs PIN, 1.0 - 1.65 µm, Ø2 mm area, 10 dBm, TO-5, flat window | EOL | 245,00 | 290,56 |
| LAPD-3-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, aperture size Ø3 mm, TO-39 | | 425,00 | 504,03 |
| LAPD-3-09-17-LCC, InGaAs, 0.9 - 1.7 µm, aperture size Ø3 mm, 8CLCC | | 425,00 | 504,03 |
| **600 - 1700 nm** | | | |
| PT421, InGaAs PIN, 0.5 - 1.65 µm, Ø75 µm, 10 dBm, TO-46, flat window | EOL | 22,90 | 27,16 |
| LAPD-1-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø0.95 mm, TO-46 | | 59,90 | 71,04 |
| LAPD-1-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø0.95 mm, 6CLCC | | 59,90 | 71,04 |
| LAPD-2-06-17-TO39, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø1.85 mm, TO-39 | | 223,13 | 264,62 |
| LAPD-2-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, aperture size Ø1.85 mm, 8CLCC | | 223,13 | 264,62 |
| **1200 - 2200 nm** | | | |
| LAPD-1-12-22-TO46, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø0.95 mm, TO-46 | | 182,70 | 216,67 |
| LAPD-1-12-22-TO46-T5P, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø0.95 mm, TEC, TO-46, 3-Pin | | o.r. | o.r. |
| LAPD-2-12-22-TO39, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø1.85 mm, TO-39 | | 539,40 | 639,71 |
| LAPD-2-12-22-TO39-T8P, InGaAs PIN, 1.2 - 2.2 µm, aperture size Ø1.85 mm, TEC, TO-39, 8-Pin | | o.r. | o.r. |

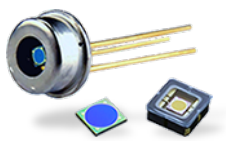
| IR PIGTAILED PHOTODIODES \| InGaAs | Status | EUR / pc | USD / pc |
|---|---|---|---|

pigtailed InGaAs photodiodes

diverse packages and connectors available

| | | | |
|---|---|---|---|
| FCPD-55-C9, InGaAs, 0.85 - 1.7 µm, sensitve area 55 µm, 9 µm SM fiber, FC/PC, coaxial package | | 48,00 | 56,93 |
| FCPD-55-C9-APC, InGaAs, 0.85 - 1.7 µm, sensitve area 55 µm, 9 µm SM fiber, FC/APC, coaxial package | | 45,90 | 54,44 |
| FCPD-55-FC, InGaAs, 0.85 - 1.7 µm, sensitve area 55 µm, receptacle package, FC connector, without fiber | | 53,20 | 63,09 |
| FCPD-80-C9, InGaAs, 0.85 - 1.7 µm, sensitve area 80 µm, 9 µm SM fiber, FC/PC, coaxial package | | 51,20 | 60,72 |
| FCPD-80-FC, InGaAs, 0.85 - 1.7 µm, sensitve area 80 µm, FC connector, receptacle package | | 58,80 | 69,73 |
| FCPD-300-C9, InGaAs, 0.85 - 1.7 µm, sensitve area 300 µm, 9 µm SM fiber, FC/PC, coaxial package | | 59,80 | 70,92 |
| FCPD-300-FC, InGaAs, 0.85 - 1.7 µm, sensitve area 300 µm, FC connector, receptacle package | | 59,50 | 70,56 |
| FCPD-1000-C9, InGaAs, 0.85 - 1.7 µm, sensitve area 1 mm, 9 µm SM fiber, FC/PC, coaxial package | | 181,30 | 215,01 |
| FCPD-1000-FC, InGaAs, 0.85 - 1.7 µm, sensitve area 1 mm, FC receptacle | | 96,60 | 114,56 |
| FCPD-2000-C9, InGaAs, 0.85 - 1.7 µm, sensitve area 2 mm, 9 µm SM fiber, FC/PC, coaxial package | | 294,60 | 349,38 |
| FCPD-3000-C9, InGaAs, 0.85 - 1.7 µm, sensitve area 3 mm, 9 µm SM fiber, FC/PC, coaxial package | | 588,00 | 697,34 |

| IR AVALANCHE PHOTODIODES \| InGaAs | Status | EUR / pc | USD / pc |
|---|---|---|---|



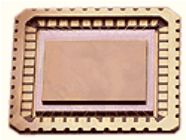
InGaAs Avalanche Photodiode
for Range Finding Application, LIDAR, Spectral Analysis, Communication, ...

- high sensitivity at 0.95 - 1.65 µm
- low leakage current and noise
- ≥700 MHz 3dB Bandwidth
- Low Stray Absorption

available packages: chip die, LCC, TO-46 can

| | | | |
|---|---|---|---|
| APD200-CHIP, 0.95 - 1.65 µm, aperture size Ø200 µm, 2.5 pF, Chip Die | | 84,00 | 99,62 |
| APD200-LCC, 0.95 - 1.65 µm, aperture size Ø200 µm, 2.5 pF, 6CLCC | | 130,00 | 154,17 |

| | | |
|---|---|---|
| APD200-TO46, 0.95 - 1.65 µm, aperture size Ø200 µm, 2.5 pF, TO-46 | 130,00 | 154,17 |
| APD200-TO46TEC, 0.95 - 1.65 µm, aperture size Ø200 µm, 2.5 pF, TEC, TO-46 | 299,00 | 354,60 |

| IR FOCAL PLANE ARRAYS \| InGaAs | Status | EUR / pc | USD / pc |
|---|---|---|---|
|  two-dimensional InGaAs array 320 x 256 pixels,<br>high sensitivity in the near infrared,<br>extremely low noise, high dynamic range,<br>room temperature operation,<br>wavelength range 900 - 1700 nm,<br>pixel width: 30 µm, responsitivity 0.8 A/W,<br>quantum efficiency >70% | | | |
| FPA320X256-980, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 98%, oper. | | 6.117,00 | 7.254,51 |
| FPA320X256-990, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 99%, oper. | | 8.667,00 | 10.278,70 |
| FPA320X256-999, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 99.9%, oper. | | 9.177,00 | 10.883,54 |
| FPA320X256-100, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., >99.95%, oper. | | 10.196,00 | 12.092,03 |

# PHOTODIODES - MID-IR

| MID-IR PHOTODIODES \| 1.0 - 4.9 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Standard Mid-IR PDs**<br>- wavelength range: 1 - 5 µm<br>- sensitive areas: 0.3, 0.5 or 1.0 mm<br>options: parabolic reflector (**R**), window (**W**),<br>thermoelectric cooler and thermoresistor (**T**),<br>narrow spectrum (**NS**)<br>package: TO-18, TO-5, TO-8 | | | |
| **1.0 - 2.5 µm** | | | |
| PD24-03SMD3020, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, SMD 3x2 mm | | 70,30 | 83,37 |
| PD24-03, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-18 | | 83,25 | 98,73 |
| PD24-03R, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-18, reflector | | 94,35 | 111,90 |
| PD24-03RW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-18, reflector, window | | 116,55 | 138,22 |
| PD24-03TW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-5, TEC, window | | 250,25 | 296,79 |
| PD24-03TRW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30-60 µA, TO-5, TEC, reflector, window | | 269,50 | 319,62 |
| PD25-10, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18 | EOL | 291,90 | 346,18 |
| **1.8 - 3.8 µm** | | | |
| PD36-03SMD3020, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, SMD 3x2 mm | | 64,75 | 76,79 |
| PD36-03, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18 | | 74,00 | 87,76 |
| PD36-03R, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector | | 85,10 | 100,93 |
| PD36-03RW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector, window | | 107,30 | 127,25 |
| PD36-03CH, 2.0-3.8 µm, 0.3 mm, 250-300 pF, 80-300 µA, TO-18, glass cover | | 88,80 | 105,31 |
| PD36-03TW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-5, TEC, window | | 241,00 | 285,82 |
| PD36-03TRW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-5, TEC, reflector, window | | 260,75 | 309,24 |
| PD36-05SMD3020, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, SMD 3.0x2.0 mm | | 98,05 | 116,28 |
| PD36-05, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18 | | 118,40 | 140,42 |
| PD36-05R, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector | | 129,50 | 153,58 |
| PD36-05RW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector, window | | 151,70 | 179,91 |
| PD36-05CH, 2.0-3.6 µm, 0.5 mm, 600-1100 pF, 120-1000 µA, TO-18, glass cover | | 133,20 | 157,97 |
| PD36-05TW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-5, TEC, window | | 283,50 | 336,22 |
| PD36-05TRW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-5, TEC, reflector, window | | 302,75 | 359,05 |
| **2.3 - 4.1 µm** | | | |
| PD40-05SMD3020, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, SMD 3.0x2.0 mm | | 114,70 | 136,03 |
| PD40-05, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18 | | 140,60 | 166,75 |
| PD40-05R, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18, reflector | | 151,70 | 179,91 |
| PD40-05RW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-18, reflector, window | | 173,90 | 206,24 |
| PD40-05CH, 2.3-4.1 µm, 0.5 mm, 1.2 mA, TO-18, glass cover | | 155,40 | 184,30 |
| PD40-05TW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-5, TEC, window | | 304,50 | 361,12 |
| PD40-05TRW, 2.3-4.1 µm, 0.5 mm, 1.2 A/W, 1.2 mA, TO-5, TEC, reflector, window | | 323,75 | 383,95 |
| **2.8 - 4.1 µm** | | | |
| PD41-03SMD3020, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, SMD 3x2 mm | | 68,45 | 81,18 |
| PD41-03, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18 | | 83,25 | 98,73 |
| PD41-03R, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector | | 94,35 | 111,90 |
| PD41-03RW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector, window | | 116,55 | 138,22 |
| PD41-03TW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-5, TEC, window | | 250,25 | 296,79 |
| PD41-03TRW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-5, TEC, reflector, window | | 269,50 | 319,62 |
| PD41-05SMD3020, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, SMD 3.8x3.8 mm | | 114,70 | 136,03 |
| PD41-05, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18 | | 140,60 | 166,75 |
| PD41-05R, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector | | 151,70 | 179,91 |
| PD41-05RW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector, window | | 173,90 | 206,24 |
| PD41-05TW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-5, TEC, window | | 304,50 | 361,12 |
| PD41-05TRW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-5, TEC, reflector, window | | 323,75 | 383,95 |
| **3.0 - 3.2 µm** | | | |
| IR-PD 3.0, 3.0-3.2 µm, 0.2 A/W, InAs, TO-39 with 3.5 mm immersion lens | | 210,83 | 250,04 |

| | | |
|---|---|---|
| **3.7 - 4.6 µm** | | |
| PD43-03SMD3020, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, SMD 3x2 mm | 68,45 | 81,18 |
| PD43-03, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18 | 83,25 | 98,73 |
| PD43-03R, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector | 94,35 | 111,90 |
| PD43-03RW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector, window | 116,55 | 138,22 |
| PD43-03CH, 3.6-4.6 µm, 0.3 mm, 4-6 mA, TO-18, glass cover | 98,05 | 116,28 |
| PD43-03TW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-5, TEC, window | 250,25 | 296,79 |
| PD43-03TRW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-5, TEC, reflector, window | 269,50 | 319,62 |
| **2.8 - 4.7 µm** | | |
| PD43-05SMD3020, 2.8-4.7 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, SMD 3.8x3.8 mm | 114,70 | 136,03 |
| PD43-05, 2.8-4.7 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18 | 140,60 | 166,75 |
| PD43-05R, 2.8-4.7 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector | 151,70 | 179,91 |
| PD43-05RW, 2.8-4.7 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector, window | 173,90 | 206,24 |
| PD43-05CH, 2.6-4.6 µm, 0.5 mm, 15-25 mA, TO-18, glass cover | 155,40 | 184,30 |
| PD43-05TW, 2.8-4.7 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-5, TEC, window | 304,50 | 361,12 |
| PD43-05TRW, 2.8-4.7 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-5, TEC, reflector, window | 337,50 | 400,26 |
| **2.8 - 4.9 µm** | | |
| PD49-05SMD3020, 2.8-4.9 µm, 0.5 mm, 1 A/W, 17 mA, SMD 3.0x2.0 mm | 114,70 | 136,03 |
| PD49-05, 2.8-4.9 µm, 0.5 mm, 1 A/W, 17 mA, TO-18 | 140,60 | 166,75 |
| PD49-05R, 2.8-4.9 µm, 0.5 mm, 1 A/W, 17 mA, TO-18, reflector | 151,70 | 179,91 |
| PD49-05RW, 2.8-4.9 µm, 0.5 mm, 1 A/W, 17 mA, TO-18, reflector, window | 173,90 | 206,24 |
| PD49-05CH, 2.8-4.9 µm, 0.5 mm, 17 mA, TO-18, glass cover | 155,40 | 184,30 |
| PD49-05TW, 2.8-4.9 µm, 0.5 mm, 1 A/W, 17 mA, TO-5, TEC, window | 304,50 | 361,12 |
| PD49-05TRW, 2.8-4.9 µm, 0.5 mm, 1 A/W, 17 mA, TO-5, TEC, reflector, window | 323,75 | 383,95 |

| **MID-IR PHOTODIODES \| 1.0 - 4.9 µm \| integrated TIA** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

Mid-IR photodiode in aluminum tube package
with an integrated preamplifier (AMP)
supply voltage: 5 VDC

additional option:
- parabolic reflector (R)

| | | |
|---|---|---|
| **1.0 - 2.5 µm** | | |
| PD24-03R-AMP, 1.1-2.43 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 273,00 | 323,77 |
| PD24-03RW-AMP, 1.1-2.43 µm, 0.3 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 294,00 | 348,67 |
| **1.8 - 3.8 µm** | | |
| PD36-03R-AMP, 1.8-3.8 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 264,25 | 313,39 |
| PD36-03RW-AMP, 1.8-3.8 µm, 0.3 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 285,25 | 338,29 |
| PD36-03CHR-AMP, 2.0-3.8 µm, 0.3 mm, glass cover, refl., preamplifier, 5 VDC, Ø12 x 40 mm tube | 320,25 | 379,80 |
| PD36-05R-AMP, 1.8-3.8 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 306,25 | 363,20 |
| PD36-05RW-AMP, 1.8-3.8 µm, 0.5 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 327,25 | 388,10 |
| PD36-05CHR-AMP, 2.0-3.6 µm, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, Ø12 x 40 mm tube | 320,25 | 379,80 |
| **2.3 - 4.1 µm** | | |
| PD40-05R-AMP, 2.3-4.1 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 327,25 | 388,10 |
| PD40-05RW-AMP, 2.3-4.1 µm, 0.5 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 348,25 | 413,01 |
| PD40-05CHR-AMP, 2.3-4.1 µm, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, Ø12 x 40 mm tube | 341,25 | 404,71 |
| **2.8 - 4.1 µm** | | |
| PD41-03R-AMP, 2.8-4.1 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 273,00 | 323,77 |
| PD41-03RW-AMP, 2.8-4.1 µm, 0.3 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 294,00 | 348,67 |
| PD41-05R-AMP, 2.8-4.1 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 327,25 | 388,10 |
| PD41-05RW-AMP, 2.8-4.1 µm, 0.5 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 348,25 | 413,01 |
| **3.7 - 4.6 µm** | | |
| PD43-03R-AMP, 3.7-4.6 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 273,00 | 323,77 |
| PD43-03RW-AMP, 3.7-4.6 µm, 0.3 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 294,00 | 348,67 |
| PD43-03CHR-AMP, 3.6-4.6 µm, 0.3 mm, glass cover, refl., preamplifier, 5 VDC, Ø12 x 40 mm tube | 287,00 | 340,37 |
| **2.8 - 4.6 µm** | | |
| PD43-05R-AMP, 2.8-4.6 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 327,25 | 388,10 |
| PD43-05RW-AMP, 2.8-4.6 µm, 0.5 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 348,25 | 413,01 |
| PD43-05CHR-AMP, 2.6-4.6 µm, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, Ø12 x 40 mm tube | 341,25 | 404,71 |
| **2.8 - 4.9 µm** | | |
| PD49-05R-AMP, 2.8-4.9 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube | 327,25 | 388,10 |
| PD49-05RW-AMP, 2.8-4.9 µm, 0.5 mm, refl., window, preamplifier, 5 VDC, Ø12 x 40 mm tube | 348,25 | 413,01 |
| PD49-05CHR-AMP, 2.8-4.9 µm, 0.5 mm, glass cover, refl., preamplifier, 5 VDC, Ø12 x 40 mm tube | 341,25 | 404,71 |

| **SYNCHRONOUS DETECTOR FOR MID-IR PD with TIA** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

Synchronous detector for Mid-IR PDs with AMP
measures the voltage signal of AMP and converts it to DC
voltage signal proportional to the amplitude of input voltage

- 3 independent channels
- built-in power supply for AMP

| | | |
|---|---|---|
| PCB-SDETECT-1P, measure and convert PD AMP signal, pulsed mode, 1 channel, 12 VDC | 149,85 | 177,72 |
| PCB-SDETECT-2P, measure and convert PD AMP signal, pulsed mode, 2 channels, 12 VDC | 181,30 | 215,01 |
| PCB-SDETECT-3P, measure and convert PD AMP signal, pulsed mode, 3 channels, 12 VDC | 201,25 | 238,67 |

| MID-IR PORTABLE MINI SPECTROMETER \| 1.3 - 2.4 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Mini-Spectrometer**

for spectral express analysis in the near infrared (IR) range from 1.3 to 2.4 µm.

- portable, compact size (60x42x42 mm)
- reflectance-based analysis
- multi-element LED matrix, wideband photodiode
- USB, software control via Windows PC

| | | | |
|---|---|---|---|
| SPECTRO-M, 1.3-2.4 µm, reflectance-based analysis, USB, Windows software | | o.r. | o.r. |

# AMPLIFIERS FOR PHOTODIODES

| General purpose current & voltage converter boards | Status | EUR / pc | USD / pc |
|---|---|---|---|

General purpose current & voltage converter boards

adjustable offset and gain,
supply voltage 7-24 VDC,
PCB size: 13 x 26 x 8 mm

| | | | |
|---|---|---|---|
| AMPCON 4-20L, general purpose photodiode current converter, 0-250 µA to 4-20 mA | | 78,00 | 92,50 |
| AMPCON 4-20M, general purpose photodiode current converter, 0-2.5 µA to 4-20 mA | | 78,00 | 92,50 |
| AMPCON 4-20H, general purpose photodiode current converter, 0-25 nA to 4-20 mA | | 78,00 | 92,50 |
| VOLTCON 0-5L, general purpose photodiode voltage converter 0..500 µA to 0..5 V | | 78,00 | 92,50 |
| VOLTCON 0-5M, general purpose photodiode voltage converter 0..5 µA to 0..5 V | | 78,00 | 92,50 |
| VOLTCON 0-5H, general purpose photodiode voltage converter 0..50 nA to 0..5 V | | 78,00 | 92,50 |

| Multi-channel PD preamplifier boards | Status | EUR / pc | USD / pc |
|---|---|---|---|

high gain and low noise general purpose photodiode preamplifier board

| | | | |
|---|---|---|---|
| MULTIBOARD, general purpose photodiode amplifier board, 2 channels, ±9-±24 VDC | | 104,00 | 123,34 |
| DIGIBOARD, general purpose photodiode amplifier board, 2 channels, 5-18 VDC | | 176,00 | 208,73 |

| USBAMP-4 Photocurrent Digitizer | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Photocurrent Digitizer**

converts small DC currents into digital values, to display and record your measurements on your computer

- 4 selectable gain levels, pA - µA
- incl. software control via PC, easy to use
- incl. PTB traceable current calibration

| | | | |
|---|---|---|---|
| USBAMP-4, computer-controlled photocurrent digitizer, 4 switchable gains, pA-µA, USB, BNC | | 572,00 | 678,37 |

| MID-IR PD voltage converter board | Status | EUR / pc | USD / pc |
|---|---|---|---|

Mini preamplifier for Mid-IR PDs
works in photovoltaic mode: the board converts the amplified photodiode current into a voltage signal

- 1 channel

| | | | |
|---|---|---|---|
| PCB-MPREAMP, photovoltaic mode, supply voltage 5 VDC, 26 x 10 mm | | 129,50 | 153,58 |

| MID-IR PD amplifier with integrated synchrodetector | Status | EUR / pc | USD / pc |
|---|---|---|---|

Amplifier with integrated Synchrodetector for Mid-IR photodiodes.
Maximum Output ± 4V for subsequent use with lock-in amplifiers, oscilloscopes or A/D converters.
Signal output on LC display

| | | | |
|---|---|---|---|
| AM-07, 0.5kHz-1MHz, max. 6.4.10^6 V/A, for MID-IR PD series | | 373,80 | 443,31 |
| AMT-07, 0.5kHz-1MHz, max. 6.4.10^6 V/A, TEC support, for MID-IR PD series | | 417,90 | 495,61 |

# PHOTODIODES BARE CHIP DIES

| General purpose current & voltage converter boards | Status | EUR / pc | USD / pc |
|---|---|---|---|

Photodiode chip dies
mimimum order quantity 10 pcs. (MOQ)

355 nm - 1750 nm

| | | | |
|---|---|---|---|
| PX410, InGaAs photodiode chip die, 1.0 - 1.65 µm, active area 75 µm | | 3,85 | 4,57 |
| OTIR1017-3MD, InGaAs photodiode chip die, 0.8 - 1.7 µm, active area 300 µm | | 2,24 | 2,66 |
| LAPD-05-06-17-CHIP, InGaAs, 0.6 - 1.7 µm, aperture size Ø455 µm, chip die | | 16,70 | 19,81 |
| LAPD-05-09-17-CHIP, InGaAs, 0.9 - 1.7 µm, aperture size Ø455 µm, chip die | | 11,13 | 13,20 |
| LAPD-1-09-17-CHIP, InGaAs, 1.0 - 1.7 µm, aperture size Ø0.95 mm, chip die | | 29,70 | 35,22 |
| LAPD-1-06-17-CHIP, InGaAs, 0.6 - 1.7 µm, aperture size Ø0.95 mm, chip die | | 44,55 | 52,83 |
| LAPD-1-12-22-CHIP, InGaAs, 1.2 - 2.2 µm, aperture size Ø0.95 mm, chip die | | 121,80 | 144,45 |
| LAPD-2-09-17-CHIP, InGaAs, 1.0 - 1.7 µm, aperture size Ø1.85 mm, chip die | | 61,43 | 72,85 |
| LAPD-2-06-17-CHIP, InGaAs, 0.6 - 1.7 µm, aperture size Ø1.85 mm, chip die | | 170,10 | 201,73 |
| LAPD-2-12-22-CHIP, InGaAs, 1.2 - 2.2 µm, aperture size Ø1.85 mm, chip die | | 464,00 | 550,28 |
| LAPD-Q2-09-17-CHIP, InGaAs Quadrant PIN, 0.9 - 1.7 µm, aperture size Ø1.86 mm, chip die | | o.r. | o.r. |
| LAPD-3-09-17-CHIP, InGaAs, 1.0 - 1.7 µm, aperture size Ø3 mm, chip die | | 357,00 | 423,39 |
| LAPD-5-09-17-CHIP, InGaAs, 1.0 - 1.7 µm, aperture size Ø5 mm, chip die | | o.r. | o.r. |

# THERMOPILES

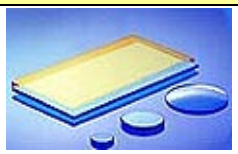
| Termopile Detectors \| 5.0 - 14 µm | Status | EUR / pc | USD / pc |
|---|---|---|---|

Thermopile sensors for IR temperature measurements, radiation monitoring, gas analysis
- hermetically sealed TO metal can package
- high sensitivity

| | | | |
|---|---|---|---|
| TP336A, 5-14 µm, 85 V/W, sensitive area Ø545 µm, TO-5, window Ø2.6 mm | EOL | 4,98 | 5,91 |
| TP339UG, 5-14 µm, 85 V/W, sensitive area Ø545 µm, TO-18, window Ø3.0 mm | EOL | 4,98 | 5,91 |

# INTERFERENCE FILTERS

| Interference Filters \| Ø 12.7 mm \| 254 - 1064 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|



easy to use glued crystal assembly for generating green high quality interefernce filters for many science and technical applications

further wavelengths and sizes on request

| | | | |
|---|---|---|---|
| RLT-254-11-A, 254 nm, T >15%, size Ø12.7 mm x 4.7 mm | | 77,80 | 92,27 |
| RLT-330-10-A, 330 nm, T >30%, size Ø12.7 mm x 6.6 mm | | 77,80 | 92,27 |
| RLT-340-10-A, 340 nm, T >40%, size Ø12.7 mm x 7.3 mm | | 258,00 | 305,98 |
| RLT-365-12-A, 365 nm, T >40%, size Ø12.7 mm x 6.3 mm | | 77,80 | 92,27 |
| RLT-405-12-A, 405 nm, T >40%, size Ø12.7 mm x 8.3 mm | | 77,80 | 92,27 |
| RLT-436-12-A, 436 nm, T >45%, size Ø12.7 mm x 6.6 mm | | 77,80 | 92,27 |
| RLT-445-10-A, 445±2 nm, T >70%, HW 10±2 nm, Ø12.7 mm, thickness <9.0 mm. | | 249,00 | 295,30 |
| RLT-458-11-A, 458 nm, T >70%, Ø12.7 mm, Dicke <8.5 mm | | 134,90 | 159,99 |
| RLT-488-10-A, 488 nm, T >70%, Ø12.7 mm, Dicke <8.5 mm | | 198,00 | 234,82 |
| RLT-500-11-A, 500 nm, T >50%, size Ø12.7 mm x 5.7 mm | | 134,90 | 159,99 |
| RLT-514.5-11-A, 514.5 nm, T >70%, size Ø12.7 mm x 5.7 mm | | 134,90 | 159,99 |
| RLT-520-11-A, 511 nm, T >50%, size Ø12.7 mm x 5.7 mm | | 77,80 | 92,27 |
| RLT-532-10-A, 532 nm, T >70%, size Ø12.7 mm x 5.8 mm | | 77,80 | 92,27 |
| RLT-546-10-A, 546 nm, T >50%, size Ø12.7 mm x 5.8 mm | | 77,80 | 92,27 |
| RLT-589-10-A, 589 nm, T >60%, size Ø12.7 mm x 5.3 mm | | 77,80 | 92,27 |
| RLT-600-22-A, 600 nm, T >60%, size Ø12.7 mm x 5.3 mm | | 77,80 | 92,27 |
| RLT-620-12-A, 620 nm, T >60%, size Ø12.7 mm x 5.3 mm | | 144,10 | 170,90 |
| RLT-632.8-11-A, 632.8 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 77,80 | 92,27 |
| RLT-635-11-A, 635 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 156,90 | 186,08 |
| RLT-650-11-A, 650 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-655-25-A, 655 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-658-11-A, 658 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 194,25 | 230,37 |
| RLT-660-11-A, 660 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 194,25 | 230,37 |
| RLT-670-11-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 142,30 | 168,76 |
| RLT-670-25-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-680-11-A, 680 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-690-11-A, 690 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-780-11-A, 780 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-780-12-A, 780 nm, T >70%, size Ø12.7 mm x 2.8 mm | | 75,40 | 89,42 |
| RLT-785-27.5-A, 785 nm, T >70%, size Ø12.7 mm x 3.6 mm | | 134,90 | 159,99 |
| RLT-790-12.5-A, 790 nm, T >70%, size Ø12.7 mm x 3.6 mm | | 158,00 | 187,38 |
| RLT-850-25-A, 850 nm, T >70%, size Ø12.7 mm x 2.3 mm | | 182,30 | 216,20 |
| RLT-905-34-A, 905 nm, T >70%, size Ø12.7 mm x 3.3 mm | | 77,80 | 92,27 |
| RLT-1064-11-A, 1064 nm, T >70%, size Ø12.7 mm x 3.6 mm | | 79,00 | 93,69 |

| | | | |
|---|---|---|---|
| RLT-1550-70-A, 1550 nm, T >70%, size Ø12.7 mm | | 304,60 | 361,24 |
| **further wavelengths and sizes on request** | | | |

# OPTICAL POWER METERS

| **Coherent Power Meters** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

Coherent laser power and energy meters,
sensors and accessories, for handheld operation
and laboratory use

| | | | |
|---|---|---|---|
| LASERCHECK, handheld laser power meter, 400..1064 nm, 0.5 µW up to 1 W | | 616,00 | 730,55 |
| FIELDMATE, laser power meter, analog and digital readout, AC/DC operation | | o.r. | o.r. |
| FIELDMAX II P, laser energy meter, USB computer interface, LCD display | | o.r. | o.r. |
| FIELDMAX II TO, laser power meter, USB computer interface, LCD display | | o.r. | o.r. |
| FIELDMAX II TOP, laser energy and power meter, USB computer interface, LCD Display | | o.r. | o.r. |
| LABMAX TO, laser power meter, USB and RS232 interface, data logging | | o.r. | o.r. |
| LABMAX TOP, 1104622, Laser Power & Energy Meter, ISO/IEC 17025:2017 calibrated, software included | | o.r. | o.r. |
| LABMAX TOUCH, laser energy & power meter, 7" touch-screen, variety of interface, Li-ion battery | | o.r. | o.r. |
| LABMAX TOUCH PRO, laser energy & power meter, 7" touch-screen, 1 MHz, variety of interface, Li-ion battery | | o.r. | o.r. |
| **Power Meter Sensors** | **Status** | **EUR / pc** | **USD / pc** |
| OP-2-IR, 800..1800 nm, max. power 10 mW, active area Ø5 mm, resolution 1 nW | | o.r. | o.r. |
| OP-2-VIS, 400..1060 nm, max. power 50 mW, active area Ø7.9 mm, resolution 1 nW | | o.r. | o.r. |
| OP-2-UV, 250..400 nm, max. power 30 mW, active area Ø6 mm, resolution 1 nW | | o.r. | o.r. |
| J-10MB-LE, 0.19..12 µm, 300nJ-60µJ, active area Ø10 mm, <1 khz | | o.r. | o.r. |
| J-10MB-HE, 1110843, ENERGYMAX SENSOR, 190nm-12µm, 10µJ-20mJ, Ø10 mm, <1 khz, ISO/IEC 17025:2017 calibr. | | o.r. | o.r. |
| J-10MT-10KHZ, 1110856, ENERGYMAX SENSOR, 0.3-2.1µm, 100nJ-200µJ, Ø10 mm, <10 khz, ISO/IEC 17025:2017 ca | | o.r. | o.r. |
| **Power Meter Accessories** | **Status** | **EUR / pc** | **USD / pc** |
| AC POWERADAPTER | | o.r. | o.r. |
| FIELDMATE SOFTCASE | | o.r. | o.r. |

# FIBER CHECKERS

| **Fiberpoint series \| Made in Germany** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

fiber optic fault locator made in germany
for field, industrial, and laboratory use
many common connectors supported
for single mode/multimode fibers
Dust cap and AAA alkaline batteries included
3 different adapters available

| | | | |
|---|---|---|---|
| FIBERPOINT 250, 635 nm, <1 mW, 2.5 mm, pulse & cw, 21 x 170 mm, 2x AAA, Quadrosafe | | 167,00 | 198,06 |
| FIBERPOINT 250HP, 635 nm, <3 mW, pulse & cw, 21 x 170 mm, 2x AAA, Laserclass 2M, Quadrosafe | | 175,00 | 207,54 |
| FIBERPOINT 250MD, 635 nm, <1 mW, 2.5 mm, pulse & cw, 12 x 67 mm, 2 x AAA, transport case | | 182,00 | 215,84 |
| FIBERPOINT ET G, 520 nm, <400 µW, pulse & cw, 12 x 167 mm, 2 x AAA, Case, Laserclass 1 | | 183,00 | 217,03 |
| **Accessories** | | | |
| FP-ADAPTER POF, for 1.5 and 2.2 mm polymer optical fibers, attenuation <1 dB | | 27,23 | 32,29 |
| FP-ADAPTER SMA, for SMA 905 connector, attenuation <1 dB | | 38,11 | 45,20 |
| FP-ADAPTER 2.5-1.25, for 1.25 mm connector LC, MU, F3000, attenuation <1 dB | | 41,40 | 49,10 |
| **FCC OEM Fiberchecker** | **Status** | **EUR / pc** | **USD / pc** |
| FCC-6512-5, 650 nm, 5 mW, pulse & cw, MM, 2.5 mm, 2 x AAA, not for sale in germany | | 70,00 | 83,02 |

# DETECTOR CARDS

| **Laser Detector Cards \| 800 - 1650 nm** | **Status** | **EUR / pc** | **USD / pc** |
|---|---|---|---|

infrared sensor cards for UV and IR-light visualisation
Wavelength range 250-400nm and 800-1650 nm

Sensor size: 1 x 1 cm or 3 x 5 cm

**custom logo & layout available on request**

| | | | |
|---|---|---|---|
| **UV** | | | |
| HTUV1-10X10, Absorbtion range 250 ...400 nm, emission range 500 ...620 nm, active area 1x1 cm | NEW | 45,90 | 54,44 |
| HTUV1-30X50, Absorbtion range 250 ...400 nm, emission range 500 ...620 nm, active area 3x5 cm | NEW | 86,90 | 103,06 |
| **IR** | | | |
| HT111-10X10, 940...990 nm, active area 1x1 cm, upconverting | | 54,20 | 64,28 |
| HT111-30X50, 940...990 nm, active area 3x5 cm, upconverting | | 109,30 | 129,63 |
| HT582-10X10, 800...1400 nm, active area 1x1 cm, light loadable | | 54,20 | 64,28 |
| HT582-30X50, 800...1400 nm, active area 3x5 cm, light loadable | | 109,30 | 129,63 |
| HT612-10X10, 800...1650 nm, active area 1x1 cm, light loadable | | 54,20 | 64,28 |
| HT612-30X50, 800...1650 nm, active area 3x5 cm, light loadable | | 109,30 | 129,63 |

# LASER SAFETY GOGGLES

| Univet Laser Safety Goggles \| Frameless | Status | EUR / pc | USD / pc |
|---|---|---|---|
| | | | |
| **UV** | | | |
| 5X8.03.00.03, UV400, polycarbonate, yellow | | 18,90 | 22,41 |
| 505U.00.00.19, <420 nm, polycarbonate, yellow, VLT 83.2% | EOL | 10,90 | 12,93 |
| **BLUE + GREEN** | | | |
| 5X3.03.33.04, <525 nm, polyc., orange, VLT 57.5% | | 26,80 | 31,78 |
| 5X7L.00.00.653, 180-541 nm, [alignment 560-780 nm], polyc., orange, VLT 38% | | 91,00 | 107,92 |
| **IR** | | | |
| 5X7L.00.00.651, 715-1120 nm, [alignment 470-650nm], polyc., green, VLT 33% | | 101,30 | 120,14 |
| 5X7L.00.00.652, 735-870 nm, [alignment 410-695 nm], polyc., pink, VLT 19% | | 163,80 | 194,26 |

| Univet Laser Safety Goggles \| Professional Series | Status | EUR / pc | USD / pc |
|---|---|---|---|
| | | | |
| Professional laser safety glasses<br>- Side protection by full frame<br>- adjustable silicone nose bridge<br>- adjustable soft touch earpiece<br>- suitable over prescription glasses<br>- case and collar included | | | |
| **ALIGNMENT ONLY** | | | |
| 562S.00.00.307, alignment 440-570 nm, polyc., pink, VLT 19% | | 182,27 | 216,16 |
| 562S.00.00.301, alignment 592-695 nm, polyc., light blue, VLT 32% | | 159,00 | 188,57 |
| 562S.00.00.351, alignment 400-430 nm + 560-700 nm, polyc. blue, VLT 15% | | 128,00 | 151,80 |
| **UV + BLUE + GREEN** | | | |
| 562S.00.00.349, 190-535 nm + 680-1115 nm + 9-11 µm, [alignment 560-620 nm], polyc., dark orange, VLT 10% | | 203,00 | 240,75 |
| 562S.00.00.329, 190-532 + 800-1105 nm + 9-11 µm, [alignment 555-695 nm], polyc., dark orange, VLT 16% | | 196,00 | 232,45 |
| **UV + RED** | | | |
| 562S.00.00.311, 190-375 nm + 600-670 nm, [alignment 425-555 nm], polyc., blue, VLT 16% | | 171,00 | 202,80 |
| **UV + RED + IR** | | | |
| 562H.00.00.201, 190-315 nm + 645-1525 nm + 2.8-3.3 µm, glass, green, VLT 40% | EOL | 236,00 | 279,89 |
| 562S.00.00.201, 190-315 nm + 645-1525 nm + 2.8-3.3 µm, [alignment 380-590 nm], glass, green, VLT 27% | | 296,00 | 351,04 |
| **UV + IR** | | | |
| 562S.00.00.200, 190-260nm + 815-1400 nm, [alignment 380-720], glass, aqua, VLT 64% | | 331,30 | 392,91 |
| 562S.00.01.200, 190-260 nm + 815-1400 nm, [alignment 380-720 nm], glass aqua, VLT 64%, anthracite frame | | 271,00 | 321,39 |
| 562S.00.00.300, 190-315 nm + 9-11 µm, [alignment 400-780], polyc., clear, VLT 90% | | 81,00 | 96,06 |
| 562S.00.00.309, 190-430 nm + 750-1100 nm + 9-11 µm, [alignment 470-650nm}, polyc., green, VLT 33% | | 140,00 | 166,03 |
| 562S.00.00.312, 190-315 nm + 720-870 nm, [alignement 410-695 nm], polyc., pink, VLT 19% | | 193,00 | 228,89 |

| Univet Laser Safety Goggles \| High Power Series | Status | EUR / pc | USD / pc |
|---|---|---|---|
| | | | |
| High-intensity laser protection<br>- high protection 2mm thick aluminium shield<br>- elastic adjustable band increases glasses stability<br>- soft internal rubber cushion, no pressure points<br>- interferential glass filters<br>absorbing filters made in polycarbonate or glass<br>- Model available also with temples | | | |
| **UV + IR** | | | |
| 559G.00.00.300, 190-315 nm + 9-11 µm, [alignment 400-780 nm], polyc., clear, VLT 90% | | 143,00 | 169,59 |
| **UV + GREEN** | | | |
| 559G.00.00.012, 190-580 nm, [alignment 605-780 nm], glass, dark red, VLT 7% | | 351,00 | 416,27 |
| **GREEN** | | | |
| 559G.00.00.101, 515-532 nm, [alignment 587-780 nm], glass+coating, orange, VLT 15% | | 497,00 | 589,42 |
| **IR** | | | |
| 559G.00.00.010, 0.775-3.0 µm + 9-11 µm, [alignment 380-740 nm], glass, aqua, VLT 57% | | 497,00 | 589,42 |

| Univet Laser Safety Goggles \| Patient Series | Status | EUR / pc | USD / pc |
|---|---|---|---|
| | | | |
| Professional laser safety eyware for patients<br>- adjustable nose pad and cord<br>- soft interchangeable face-foam<br>- can be sterilized by autoclave<br>- available with laser filters or blind | | | |
| 616L.00.00.000, Laser Safety Eyeware, for patient, white, blind | | 159,00 | 188,57 |
| 617L.00.00.000, Laser Safety Eyeware, for patient, gray, blind | | 140,00 | 166,03 |

# LASER POINTERS - VIOLET

| RLP-405 Series \| 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Violet diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
- transport case & batteries included
- metal housing, chrome polished

405 nm

| | | |
|---|---|---|
| RLP-405-01E, 405 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch | 33,60 | 39,85 |

| RLP-405 Series with Safety Keylock \| 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Violet diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-405-01, 405 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 42,00 | 49,81 |
| RLP-405-05, 405 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 42,00 | 49,81 |
| RLP-405-10, 405 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 59,10 | 70,09 |
| RLP-405-50, 405 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 112,00 | 132,83 |
| RLP-405-100, 405 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 128,00 | 151,80 |

| GLP-405 Series \| 405 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

GLP series, 405 nm laser diode, 5-20mW, for science and **fluorescence excitation** applications. 405 nm laserlight is close to the limit of the human visiblity, spot brightness on normal targets is poor.
2 x CR2 batteries, included

405 nm

| | | | |
|---|---|---|---|
| GLP-405-5, 405 nm, 5 mW, cw, 2 x 1.5V AAA, 80 g, size 13.5 x 150 mm | EOL | 149,00 | 176,71 |
| GLP-405-10, 10 mW, cw, 2 x 1.5V AAA, 80 g, size 13.5 x 150 mm | EOL | 155,00 | 183,82 |

# LASER POINTERS - BLUE

| RLP-450 Series \| 450 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Royalblue diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
- transport case & batteries included
- metal housing, chrome polished

450 nm

| | | | |
|---|---|---|---|
| RLP-450-01E, 450 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch | | 52,50 | 62,26 |

| RLP-450 Series with Safety Keylock \| 450 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Royalblue diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-450-01, 450 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 61,80 | 73,29 |
| RLP-450-05, 450 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 63,90 | 75,78 |
| RLP-450-10, 450 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 81,50 | 96,66 |
| RLP-450-50, 450 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 106,30 | 126,07 |

| ROITHNER 450 \| 450 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**- direct emitting blue laser diode**
**- Automatic Power Control (APC)**
- transport case & batteries included
- metal housing, chrome polished

450 nm

| | | | |
|---|---|---|---|
| ROITHNER 450, 450 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 56,95 | 67,54 |

# LASER POINTERS - GREEN

| RLP-520 Series \| 520 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Green diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-520-01E, 520 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch | | 41,90 | 49,69 |

| RLP-520 Series with Safety Keylock \| 520 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Green diode laser pointer**<br><br>**- Automatic Power Control (APC)**<br>**- Control LED**<br>**- Safety Keylock**<br>- transport case & batteries included<br>- metal housing, chrome polished | | | |
| RLP-520-01, 520 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 50,80 | 60,25 |
| RLP-520-05, 520 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 50,80 | 60,25 |
| RLP-520-10, 520 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 84,90 | 100,69 |
| RLP-520-20, 520 nm, <20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 89,90 | 106,62 |

| ROITHNER 520 \| 520 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Green diode laser pointer:**<br><br>- **Automatic Power Control (APC)**<br>- transport case & batteries included<br>- metal housing, chrome polished<br><br>520 nm | | | |
| ROITHNER 520, 520 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 69,90 | 82,90 |

| GDP-520 \| 520 nm \| QCW | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Green diode laser pointer**<br><br>- low operating current<br>- qcw, short focus (1 m)<br>- alkaline batteries included | | | |
| GDP-520-5, 520 nm, 5 mW, qcw, ON-LED, 80 g, 13x160 mm, 2x 1.5V AAA battery | EOL | 88,00 | 104,36 |

| RLP-532 Series with Safety Keylock \| 532 nm \| DPSS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Green DPSS laser pointer**<br><br>**- IR filter**<br>**- Automatic Power Control (APC)**<br>**- Control LED**<br>**- Safety Keylock**<br>- transport case & batteries included<br>- metal housing, chrome polished | | | |
| RLP-532-01, 532 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 40,90 | 48,51 |
| RLP-532-01E, 532 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch | | 37,90 | 44,95 |
| RLP-532-05, 532 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 40,90 | 48,51 |
| RLP-532-10, 532 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 51,50 | 61,08 |
| RLP-532-20, 532 nm, <20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 61,90 | 73,41 |
| RLP-532-50, 532 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 143,80 | 170,54 |
| RLP-532-100, 532 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 368,00 | 436,43 |

| ROITHNER 532 \| 532 nm \| DPSS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Green DPSS laser pointer:**<br><br>- **IR filter**<br>**- Automatic Power Control (APC)**<br>- transport case & batteries included<br>- metal housing, chrome polished<br><br>532 nm | | | |
| ROITHNER 532, 532 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 29,90 | 35,46 |

| GPL-105 \| 532 nm \| DPSS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **GPL** series: 532nm cw laser pointer, polished metal body with clip, excellent beam quality, black metal transport case and batteries included<br><br>532 nm | | | |
| GPL-105, 532 nm, <5 mW, cw, 13 x 150 mm, 71 g, 2x 1.5V AAA battery | | 33,00 | 39,14 |

| GLP532-REMOTE \| 532 nm \| DPSS | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Laser pointer with integrated remote presenter** fine finished brass casing with LED indicator, scroll buttons and clip, transport case and 2.4 GHz USB receiver<br><br>532 nm | | | |
| GLP532-REMOTE, 532 nm, <5 mW, cw, remote, 2 x AAA, size 14.5 x 152 mm | | 68,00 | 80,65 |

| S200-5R \| 532 nm \| DPSS | Status | EUR / pc | USD / pc |
|---|---|---|---|

**S200 green laser pointer:** 532nm, silvergrey metal body with clip, excellent beam quality, batteries included

532 nm

| | | | |
|---|---|---|---|
| S200-5R, 532 nm, <5 mW, cw, 13 x 155 mm, 81 g, metal housing, 2x 1.5V AAA battery | EOL | 19,90 | 23,60 |

# LASER POINTERS - YELLOW

| RLP-593 Series with Safety Keylock \| 593 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Yellow DPSS laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-593-01, 593 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | NEW | 70,65 | 83,79 |
| RLP-593-05, 593 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | NEW | 72,40 | 85,86 |

# LASER POINTERS - RED

| RLP-635 Series \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Red diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
- transport case & batteries included
- metal housing, chrome polished

635 nm

| | | | |
|---|---|---|---|
| RLP-635-01E, 635 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch | | 27,34 | 32,42 |

| RLP-635 Series with Safety Keylock \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Red diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-635-01, 635 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 29,70 | 35,22 |
| RLP-635-05, 635 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 29,70 | 35,22 |
| RLP-635-10, 635 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 43,70 | 51,83 |
| RLP-635-20, 635 nm, <20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 78,80 | 93,45 |

| ROITHNER 635 \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Red diode laser pointer:**

**- Automatic Power Control (APC)**
- transport case & batteries included
- metal housing, chrome polished

635 nm

| | | | |
|---|---|---|---|
| ROITHNER 635, 635 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 21,90 | 25,97 |

| LS-11 \| 645 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| red laser pointer, low cost, cw-operation, black metal body with clip, transport case and batteries included<br>645 nm | | | |
| LS-11, 645 nm, 3.5 mW, 11 x 135 mm, 48 g, 2x 1.5V AAA battery | | 16,96 | 20,11 |

| RLP-650 Series \| 655 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Red diode laser pointer**<br>**- Automatic Power Control (APC)**<br>**- Control LED**<br>- transport case & batteries included<br>- metal housing, chrome polished<br>655 nm | | | |
| RLP-650-01E, 655 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, no safety key switch | | 26,81 | 31,80 |

| RLP-650 Series with Safety Keylock \| 635 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Red diode laser pointer**<br>**- Automatic Power Control (APC)**<br>**- Control LED**<br>**- Safety Keylock**<br>- transport case & batteries included<br>- metal housing, chrome polished | | | |
| RLP-650-01, 655 nm, <1 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 29,30 | 34,75 |
| RLP-650-05, 655 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 29,30 | 34,75 |
| RLP-650-10, 655 nm, <10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 43,70 | 51,83 |
| RLP-650-30, 655 nm, <30 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 78,80 | 93,45 |

| ROITHNER 650 \| 655 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **Red diode laser pointer:**<br>**- Automatic Power Control (APC)**<br>- transport case & batteries included<br>- metal housing, chrome polished<br>655 nm | | | |
| ROITHNER 650, 655 nm, <5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 19,90 | 23,60 |

# LASER POINTERS - GREEN+RED

| GRP532-655 \| 532+655 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **GRP532-655** green-red laser pointer 532 nm and 650 nm, cw mode, metal housing, **2 push buttons**: laser green, laser red, laser red + green, high quality mechanical design, excellent beam quality<br>532, 655 nm | | | |
| GRP532-655, 532 nm, and 650 nm, <5 mW, cw, 2 x AAA, size 13.5 x 157 mm | | 55,00 | 65,23 |

# LASER POINTERS - INFRARED

| RLP-780 Series with Safety Keylock \| 780 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|
| **IR diode laser pointer**<br>**- Automatic Power Control (APC)**<br>**- Control LED**<br>**- Safety Keylock**<br>- transport case & batteries included<br>- metal housing, chrome polished | | | |
| RLP-780-10, 780 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 53,75 | 63,75 |
| RLP-780-50, 780 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 64,50 | 76,49 |

| GLP-III-808C Series \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode portable laser**

**- Li-Ion rechargeable battery**
**- Control LED**
**- Safety Key Switch**
**- Mechanical Shutter**

808 nm

| | | | |
|---|---|---|---|
| GLP-III-808C-1W, 808 nm, 1 W, 38x220 mm, 1 x 18650 Li-Ion battery | | 545,00 | 646,35 |
| GLP-III-808C-1W5, 808 nm, 1.5 W, 38x220 mm, 1 x 18650 Li-Ion battery | | 681,00 | 807,64 |
| GLP-III-808C-2W, 808 nm, 2 W, 38x220 mm, 1 x 18650 Li-Ion battery | | 838,00 | 993,83 |

| RLP-808 Series with Safety Keylock \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-808-10, 808 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 36,25 | 42,99 |
| RLP-808-100, 808 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 49,50 | 58,70 |
| RLP-808-200, 808 nm, 200 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 67,50 | 80,05 |

| SHP808 Series \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

IR laser pointer, 808 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included

808 nm

| | | | |
|---|---|---|---|
| SHP808-100, 808 nm, <100 mW, 13 x 130 mm, 60 g, 2x 1.5V AAA battery | | 54,00 | 64,04 |
| SHP808-200, 808 nm, <200 mW, 13 x 130 mm, 60 g, 2x 1.5V AAA battery | | 64,00 | 75,90 |

| PIL-808 Series \| 808 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser pointer, 808 nm,
cw-operation, black metal body with clip,
status LED,
security key lock system available

808 nm

| | | | |
|---|---|---|---|
| PIL-808-100, 808 nm, 100 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | EOL | 98,00 | 116,22 |
| PIL-808-200, 808 nm, 200 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | EOL | 116,00 | 137,57 |

| RLP-830 Series with Safety Keylock \| 830 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-830-10, 830 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 53,75 | 63,75 |
| RLP-830-20, 830 nm, 20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 59,90 | 71,04 |

| RLP-850 Series with Safety Keylock \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-850-10, 850 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 58,75 | 69,68 |
| RLP-850-30, 850 nm, 30 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 68,30 | 81,00 |

| LP-850 \| 850 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

IR laser pointer,cw-operation, body with clip, status LED, alkaline batteries and transport case included

850 nm

| | | | |
|---|---|---|---|
| LP-850-3, 850 nm, 3 mW, 11 x 137 mm, 55 g, 2x 1.5V AAA battery | | 42,00 | 49,81 |

| GLP-III-980C Series \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode portable laser**

**- Li-Ion rechargeable battery**
**- Control LED**
**- Safety Key Switch**
**- Mechanical Shutter**

980 nm

| | | | |
|---|---|---|---|
| GLP-III-980C-1W, 980 nm, 1 W, 38x220 mm, 1 x 18650 Li-Ion battery | | 545,00 | 646,35 |
| GLP-III-980C-1W5, 980 nm, 1.5 W, 38x220 mm, 1 x 18650 Li-Ion battery | | 681,00 | 807,64 |
| GLP-III-980C-2W, 980 nm, 2 W, 38x220 mm, 1 x 18650 Li-Ion battery | | 838,00 | 993,83 |

| RLP-980 Series with Safety Keylock \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-980C-10, 980 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 38,75 | 45,96 |
| RLP-980C-20, 980 nm, 20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 43,90 | 52,06 |
| RLP-980F-20, 980 nm, 20 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, focused @ 15-20 mm | | 43,90 | 52,06 |
| RLP-980C-50, 980 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 52,50 | 62,26 |
| RLP-980F-50, 980 nm, 50 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, focused @ 15-20 mm | | 52,50 | 62,26 |
| RLP-980C-100, 980 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 58,50 | 69,38 |
| RLP-980F-100, 980 nm, 100 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery, focused @ 15-20 mm | | 58,50 | 69,38 |
| RLP-980C-200, 980 nm, 200 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 127,50 | 151,21 |
| RLP-980C-300, 980 nm, 300 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 136,90 | 162,36 |

| SHP980 Series \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

IR laser pointer, 980 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included

980 nm

| | | | |
|---|---|---|---|
| SHP980C-25, 980 nm, 25 mW, 13 x 130 mm, 60 g, 2x 1.5V AAA battery | | 42,00 | 49,81 |
| SHP980F-25, 980 nm, 25 mW, 13 x 130 mm, focused @ 2 cm | | 48,00 | 56,93 |

| PIL-980 Series \| 980 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser pointer, 980 nm,
cw-operation, black metal body with clip,
status LED,
security key lock system available

980 nm

| | | | |
|---|---|---|---|
| PIL-980-10, 980 nm, 10 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 143,00 | 169,59 |
| PIL-980-20, 980 nm, 20 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 244,10 | 289,49 |
| PIL-980-50, 980 nm, 50 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 252,70 | 299,69 |
| PIL-980-100, 980 nm, 100 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 263,20 | 312,14 |
| PIL-980-300, 980 nm, 300 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 284,90 | 337,88 |
| PIL-980-400, 980 nm, 400 mW, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 379,80 | 450,43 |

| PIL-1064 Series \| 1064 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

infrared laser pointer @ 1064 nm,
cw-operation, black metal body with clip,
status LED,
security key lock system available

1064 nm

| | | | |
|---|---|---|---|
| PIL-1064-5, 1064 nm, 5 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 209,00 | 247,87 |
| PIL-1064-10, 1064 nm, 10 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 209,00 | 247,87 |
| PIL-1064-20, 1064 nm, 20 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 209,00 | 247,87 |
| PIL-1064-50, 1064 nm, 50 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 230,00 | 272,77 |
| PIL-1064-100, 1064 nm, 100 mW, DPSS, 14 x 167 mm, 85 g, 2x 1.5V AAA battery | | 243,00 | 288,19 |

| RLP-1310 Series with Safety Keylock \| 1310 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-1310-05, 1310 nm, 5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 114,30 | 135,56 |
| RLP-1310-10, 1310 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 126,70 | 150,26 |

| RLP-1550 Series with Safety Keylock \| 1550 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

**IR diode laser pointer**

**- Automatic Power Control (APC)**
**- Control LED**
**- Safety Keylock**
- transport case & batteries included
- metal housing, chrome polished

| | | | |
|---|---|---|---|
| RLP-1550-05, 1550 nm, 5 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 114,30 | 135,56 |
| RLP-1550-10, 1550 nm, 10 mW, cw, ON-LED, 75 g, 2x 1.5V AAA battery | | 126,70 | 150,26 |

| OEM-1550 Series \| 1550 nm | Status | EUR / pc | USD / pc |
|---|---|---|---|

customized infrared laser pointers

several wavelengths available, cw-operation
batteries included

| | | | |
|---|---|---|---|
| OEM-1550-05, 1550 nm, 5 mW, 25 x 15 x 115 mm, 50 g, 2x 1.5V AAA battery | | 285,00 | 338,00 |
| OEM-1550-10, 1550 nm, 10 mW, 25 x 15 x 115 mm, 50 g, 2x 1.5V AAA battery | | 310,00 | 367,65 |

# FLASHLIGHTS - UV

| Low Cost UV Checkers | Status | EUR / pc | USD / pc |
|---|---|---|---|

reliable and handheld light sources with UV-LEDs

available wavelengths 350 nm .. 405 nm

| | | | |
|---|---|---|---|
| RLT-284U, 380 nm, 1.5-2.0 mW, slotted case head, eye safe, 3 x LR43 | EOL | 10,39 | 12,32 |
| RLT-287U, 380 nm, 1.5-2.0 mW, ball point pen design, 4 x AG3 (not included) | EOL | 4,99 | 5,92 |
| RLT-CHECKER-385, 385 nm, 2.0-4.0 mW, 30°, 4 x AG3 (not included) | | 3,33 | 3,95 |

| UVCHECK-380 | Status | EUR / pc | USD / pc |
|---|---|---|---|

**UV High power flashlight** series

- 380nm
- 1 x 18650 Li-Ion rechargeable battery (included)
- Charger included

For checking of security markers in bank notes,
credit cards, etc.

| | | | |
|---|---|---|---|
| UVCHECK-3803W, UV-LED flashlight, 380 nm, 134x31 mm, 133 g | | 36,00 | 42,69 |

# FLASHLIGHTS - WHITE

| TK01 | Status | EUR / pc | USD / pc |
|---|---|---|---|

**LUMILEDS LED**
military grade

35 lm

| | | | |
|---|---|---|---|
| TK01-1CR123-2AA-1W, white, 35 lm, 160 x 28 mm, CR123 or 2 x AA batteries | | 36,50 | 43,29 |
| TK01-2CR123-3W, white, 65 lm, 130 x 35 mm, 2 x CR123 batteries | | 39,90 | 47,32 |

| RLT-P2-Zoom | Status | EUR / pc | USD / pc |
|---|---|---|---|

**Small size**
rapid zoom focusing, changeable from long
distance spot to broad room illumination,
wrist strap and belt bag included

90 lm

| | | | |
|---|---|---|---|
| RLT-P2-ZOOM, white, 90 lm, 109 x 29 mm, 78 g, 1 x AA alkaline batteries | | 16,80 | 19,92 |

| RLT-P4-Zoom | Status | EUR / pc | USD / pc |
|---|---|---|---|
| Rapid zoom focusing, changeable from long distance spot to broad room illumination wrist strap and belt bag included 80 lm | | | |
| RLT-P4-ZOOM, white, 80 lm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries | | 21,90 | 25,97 |
| **RLT-P6-Zoom** | **Status** | **EUR / pc** | **USD / pc** |
| Rapid zoom focusing, **exceptional brightness**, anodized aluminium body 500 - 750 lm | | | |
| RLT-P6-ZOOM-XPG, white, 500 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries | EOL | 92,00 | 109,11 |
| RLT-P6-ZOOM-XML, white, 750 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries | EOL | 123,00 | 145,87 |
| **TH06 Headlight** | **Status** | **EUR / pc** | **USD / pc** |
| **TH06-1W** superbright white LED headlight with LUMILEDS 1W LED, 2 x AA battery, aluminium and high quality plastic compound design, recommended for professional use | | | |
| TH06-1W, white, max. 35 lumen, 1 W, LED, 2 x AA alkaline batteries | | 14,90 | 17,67 |

**PRICES: per piece, without VAT, duty unpaid, price change and printing mistake reserved!*
**EOL = End of Life, not recommended for new projects*
**MOQ = Minimum Order Quantity*

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