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EUR	USD
1,00	1,12612
	2017-06-06

## LASER DIODES - UV

	EUR	USD
 UV laser diodes cw mode 5.6 mm package <b>375 - 430 nm</b>		
	1-9 pcs.	1-9 pcs.
RLU4116E, <b>375 nm</b> , 70 mW, 5.6 mm	4.700,00	5.292,76
RLT390-50CMG, <b>390 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	o.r.	o.r.
RLT395-50CMG, <b>395 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	o.r.	o.r.
RLU4316E, <b>395 nm</b> , 120 mW, 5.6 mm	4.700,00	5.292,76
RLT400-50CMG, <b>400 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55

## LASER DIODES - VIOLET

	EUR	USD
 violet laser diodes cw and pulse mode TO-can package <b>405 - 415 nm</b>		
	1-9 pcs.	1-9 pcs.
RLT405-50CMG, <b>405 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55
DL-3146-151, <b>405 nm</b> , 5 mW, 5.6 mm, SANYO	18,13	20,42
DL-4146-101S, <b>405 nm</b> , 20 mW, 75 °C, 5.6 mm, SANYO	28,90	32,54
DL-4146-301S, <b>405 nm</b> , 20 mW, 75 °C, 5.6 mm, SANYO, <b>without photodiode</b>	26,01	29,29
DL-5146-101S, <b>405 nm</b> , 40 mW, 75 °C, 5.6 mm, SANYO	25,43	28,64
DL-LS5017, <b>405 nm</b> , 60 mW, 50 °C, 5.6 mm, SANYO, <b>without photodiode</b>	24,57	27,67
DL-7146-101S, <b>405 nm</b> , 80 mW, 75 °C, 5.6 mm, SANYO	60,39	68,01
DL-7146-301S, <b>405 nm</b> , 80 mW, 75 °C, 5.6 mm, SANYO, <b>without photodiode</b>	44,40	50,00
RLV4313, <b>405 nm</b> , 120 mW, 70 °C, 5.6 mm, <b>(short pins)</b>	147,38	165,97
RLV4512, <b>405 nm</b> , 200 mW, 70 °C, 5.6 mm, <b>without photodiode</b>	183,48	206,62
SLD3235VF, <b>405 nm</b> , 100 mW, 80 °C, 5.6 mm, SONY	39,90	44,93
SLD3236VF, <b>405 nm</b> , 150 mW, 80 °C, 5.6 mm, SONY	49,90	56,19
SLD3237VFR, <b>405 nm</b> , 200 mW, 70 °C, <b>3.8 mm</b> , <b>without photodiode</b> , SONY	59,90	67,45
SLD3237VF, <b>405 nm</b> , 200 mW, 85 °C, 5.6 mm, SONY	59,90	67,45
RLT405500MG, <b>405 nm</b> , 500 mW, 50 °C, 5.6 mm <b>without photodiode NEW!!</b>	219,00	246,62
RLT410-50CMG, <b>410 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55
RLT415-50CMG, <b>415 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55
RLT415-50PMG, <b>415 nm</b> , 50 mW, 200 ns <b>pulse</b> , mm, 40 °C, 5.6 mm	598,00	673,42
RLT415-200PMG, <b>415 nm</b> , 200 mW, 200 ns <b>pulse</b> , mm, 40 °C, 5.6 mm	850,00	957,20

## LASER DIODES - BLUE

EUR	USD
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	blue laser diodes cw mode TO-can package		
	420 - 488 nm		
RLT420-50CMG, <b>420 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT425-50CMG, <b>425 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT430-50CMG, <b>430 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT435-50CMG, <b>435 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT440-50CMG, <b>440 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT445-50CMG, <b>445 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
LD-445-1000MG, <b>445 nm</b> , 1 W, 30 °C, 5.6 mm, <b>without photodiode, (dismounted)</b>	80,00	90,09	
RLB7875, <b>445 nm</b> , 1.6 W, 50 °C, 9 mm, <b>without photodiode</b>	196,00	220,72	
RLT450-50CMG, <b>450 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
LD-450-80MG, <b>450 nm</b> , 80 mW, 70 °C, 5.6 mm, <b>without photodiode</b>	48,20	54,28	
LD-450-100SG, <b>450 nm</b> , 100 mW, 70 °C, <b>3.8 mm</b> , <b>without photodiode</b>	59,80	67,34	
LD-450-1600MG, <b>450 nm</b> , 1.6 W, 70 °C, 5.6 mm, <b>without photodiode</b>	64,80	72,97	
NLD453500G, <b>450 nm</b> , 3.5 W, 50 °C, 9 mm, <b>without photodiode</b>	249,00	280,40	
RLT455-50CMG, <b>455 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT460-50CMG, <b>460 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT465-50CMG, <b>465 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLT470-50CMG, <b>470 nm</b> , 50 mW cw, 5.6 mm, <b>without photodiode</b>	599,00	674,55	
RLA4116, <b>473 nm</b> , 100 mW, 60 °C, 5.6 mm	5.736,00	6.459,42	
LD-488-60MG, <b>488 nm</b> , 60 mW, 60 °C, 5.6 mm	1.799,00	2.025,89	
RLS4116, <b>488 nm</b> , 60 mW, 60 °C, 5.6 mm	5.736,00	6.459,42	

## LASER DIODES - GREEN

	EUR	USD
	direct emitting green laser diodes cw mode, modulable > 100 MHz  --> laser projection	
	520 nm	
LD-515-10MG, <b>515 nm</b> , 10 mW, 60 °C, 5.6 mm	36,90	41,55
LD-515-30SG, <b>515 nm</b> , 30 mW, 70 °C, <b>3.8 mm</b> , <b>without photodiode</b>	62,50	70,38
LD-520-50SG, <b>520 nm</b> , 50 mW, 70 °C, <b>3.8 mm</b> , <b>without photodiode</b>	74,90	84,35
LD-520-50MG, <b>520 nm</b> , 50 mW, 60 °C, 5.6 mm	48,00	54,05
LD-520-80SG, <b>520 nm</b> , 80 mW, 70 °C, <b>3.8 mm</b> , <b>without photodiode</b>	99,00	111,49
NLD52100SG, <b>520 nm</b> , 100 mW, 50 °C, <b>3.8 mm</b> , <b>without photodiode</b>	146,00	164,41
NLD521000G, <b>520 nm</b> , 1 W, 50 °C, 9 mm, <b>without photodiode</b>	349,00	393,02

## LASER DIODES - RED

	EUR	USD
	red laser diodes TO-can, TO3, and C-mount package	
	635 - 655 nm	
	1-9 pcs.	1-9 pcs.
S6305MG, <b>635 nm</b> , 5 mW, sm, 5.6 mm	13,82	15,56
QL63D4SA, <b>635 nm</b> , 5 mW, sm, 40 °C, 5.6 mm	5,86	6,60
QL63D5SA, <b>635 nm</b> , 5 mW, sm, 50 °C, 5.6 mm	6,03	6,79
SLD63518240, <b>635 nm</b> , 5 mW, sm, 40 °C, 5.6 mm, SAMSUNG	5,94	6,68
ADL-63102TL, <b>635 nm</b> , 10 mW, sm, 50 °C, 5.6 mm	14,76	16,62
S6310MG, <b>635 nm</b> , 10 mW, sm, 5.6 mm	15,79	17,78
QL63F5SA, <b>635 nm</b> , 10 mW, sm, 50 °C, 5.6 mm	15,25	17,17

QL63H5SA, <b>635 nm</b> , 20 mW, sm, 50 °C, 5.6 mm	19,90	22,41
ADL-63301TL, <b>635 nm</b> , 30 mW, sm, 40 °C, 5.6 mm	29,60	33,33
ADL-63302TL, <b>635 nm</b> , 30 mW, sm, 50 °C, 5.6 mm	41,10	46,28
RLT635-100G, <b>635 nm</b> , 100 mW, mm, 9 mm, <b>without photodiode</b>	154,00	173,42
RLT635-100GPD, <b>635 nm</b> , 100 mW, mm, 9 mm	164,00	184,68
RLT635-150-C, <b>635 nm</b> , 150 mW, mm, C-mount	219,00	246,62
RLT635-150-TO3, <b>635 nm</b> , 150 mW, mm, TO3	179,90	202,59
RLT635-300-TO3, <b>635 nm</b> , 300 mW, mm, TO3	369,00	415,54
RLT635-500-TO3, <b>635 nm</b> , 500 mW, mm, TO3	444,00	500,00
ADL-63V0BTP, <b>638 nm</b> , 500 mW, mm, 30 °C, 5.6 mm, <b>without photodiode</b>	69,90	78,72
S6430MG, <b>640 nm</b> , 30 mW, sm, 50°C, 5.6 mm	28,40	31,98
RLT650-200G, <b>650 nm</b> , 200 mW, mm, 9 mm, <b>with photodiode</b>	155,00	174,55
RLT65300T, <b>650 nm</b> , 300 mW, mm, TO3, <b>without photodiode</b>	152,00	171,17
RLT650-500-T, <b>650 nm</b> , 500 mW, mm, TO3, <b>without photodiode</b>	275,00	309,68
RLT650-1000-C, <b>650 nm</b> , 1 W, mm, C-mount	395,00	444,82
RLT650-1000-T, <b>650 nm</b> , 1 W, mm, TO3, <b>without photodiode</b>	o.r.	o.r.
QL65D5SA, <b>650 nm</b> , 5 mW, sm, 50 °C, 5.6 mm	3,19	3,59
QL65D6SA, <b>655 nm</b> , 5 mW, sm, 60 °C, 5.6 mm	3,77	4,25
S6505MG, <b>655 nm</b> , 5 mW, sm, 5.6 mm	3,57	4,02
ADL-65052TL, <b>655 nm</b> , 5 mW, sm, 50 °C, 5.6 mm, <b>lowest operating current typ. 16 mA</b>	3,40	3,83
SLD65018250S, <b>655 nm</b> , 5 mW, sm, 50 °C, 5.6 mm, w/o window, SAMSUNG	2,07	2,33
QL65E7SA, <b>655 nm</b> , 7 mW, sm, 70 °C, 5.6 mm	8,86	9,98
QL65E7SB, <b>655 nm</b> , 7 mW, sm, 70 °C, 5.6 mm	8,43	9,49
QL65E7SC, <b>655 nm</b> , 7 mW, sm, 70 °C, 5.6 mm	8,43	9,49
ADL-65075SL, <b>655 nm</b> , 7 mW, sm, 70 °C, <b>3.3 mm</b> , <b>small package</b>	7,04	7,93
ADL-65075SR, <b>655 nm</b> , 7 mW, sm, 70 °C, <b>3.3 mm</b> , <b>small package</b>	5,10	5,74
ADL-65077SU, <b>655 nm</b> , 7 mW, sm, 70 °C, <b>3.3 mm</b> , <b>small package</b>	7,36	8,29
ADL-65074TR, <b>655 nm</b> , 7 mW, sm, 85 °C, 5.6 mm, <b>high temperature</b>	6,77	7,62
ADL-65075TA2, <b>655 nm</b> , 7 mW, sm, 70 °C, 5.6 mm, <b>integrated LD driver -&gt; phase out</b>	4,39	4,94
ADL-65075TA4, <b>650 nm</b> , 7 mW, sm, 70 °C, 5.6 mm, <b>integrated LD driver</b> , APC, 3.0 VDC	5,32	5,99
QL65F6SA, <b>655 nm</b> , 10 mW, sm, 60 °C, 5.6 mm	6,49	7,31
QL65F7SA, <b>655 nm</b> , 10 mW, sm, 70 °C, 5.6 mm, <b>high temperature</b>	39,90	44,93
S6510MG, <b>655 nm</b> , 10 mW, sm, 5.6 mm	9,54	10,74
S6530MG, <b>660 nm</b> , 30 mW, mm, 5.6 mm	29,60	33,33
QL65I7SA, <b>655 nm</b> , 30 mW, sm, 70 °C, 5.6 mm	43,00	48,42

## LASER DIODES - RED

	EUR	USD
		
red laser diodes TO-can, TO3, and C-mount package		
<b>660 - 690 nm</b>		
	1-9 pcs.	1-9 pcs.
RLT6615G, <b>660 nm</b> , 15 mW, sm, 9 mm	16,00	18,02
RLT6620G, <b>660 nm</b> , 20 mW, sm, 9 mm	58,51	65,89
ADL-66201TL, <b>660 nm</b> , 20 mW, sm, 60 °C, 5.6 mm ► <b>PHASE OUT</b>	18,00	20,27
ADL-66302TL, <b>660 nm</b> , 30 mW, sm, 60 °C, 5.6 mm	28,80	32,43
QL65J7SA, <b>660 nm</b> , 50 mW, sm, 75 °C, lop typ. 90 mA, 5.6 mm	64,60	72,75
ADL-66505TL, <b>660 nm</b> , 50 mW, sm, 60 °C, 5.6 mm, <b>high temp., high power, high reliability</b>	39,80	44,82
RLT6650G, <b>660 nm</b> , 50 mW, sm, 9 mm	190,80	214,86
RLT6650GLI, <b>665 nm</b> , 50 mW, mm, 9 mm	222,60	250,67
RLT6660MG, <b>660 nm</b> , 60 mW, sm, 5.6 mm, <b>without photodiode</b>	64,66	72,81
RLT6680MGOP, <b>660 nm</b> , 80 mW, sm, 5.6 mm, <b>without photodiode</b>	52,00	58,56
RLT6680MG, <b>660 nm</b> , 80/160 mW cw/pulse, sm, 5.6 mm, <b>without photodiode</b>	76,00	85,59
RLT66100MGOP, <b>660 nm</b> , 100 mW, mm, 5.6 mm, <b>without photodiode</b>	42,00	47,30
RLT66100MG, <b>660 nm</b> , 100 mW, mm, 5.6 mm	45,00	50,68
S66100MG, <b>660 nm</b> , 100 mW, mm, 50°C, I <sub>OP</sub> typ. 190mA, 5.6 mm	37,00	41,67
QL65O6SA, <b>660 nm</b> , 100 mW, sm, 60 °C, 5.6 mm	o.r.	o.r.
S66150MG, <b>660 nm</b> , 150 mW, mm, 50°C, I <sub>OP</sub> typ. 280mA, 5.6 mm	42,00	47,30

QL67D6SA, <b>670 nm</b> , 5 mW, sm, 60 °C, 5.6 mm	8,30	9,35
S6705MG, <b>670 nm</b> , 5 mW, sm, 5.6 mm	6,20	6,98
QL67F6SA, <b>670 nm</b> , 10 mW, sm, 60 °C, 5.6 mm	33,00	37,16
RLT67300T, <b>670 nm</b> , 300 mW, mm, TO3, <b>without photodiode</b>	199,00	224,10
RLT67300C, <b>670 nm</b> , 300 mW, mm, C-Mount, <b>without photodiode</b>	199,00	224,10
QL68I6SA, <b>685 nm</b> , 30 mW, 60 °C, sm, 5.6 mm	44,00	49,55
QL68J6SA, <b>685 nm</b> , 50 mW, 60 °C, sm, 5.6 mm	61,60	69,37

## LASER DIODES - IR

	EUR	USD
		
infrared laser diodes TO-can, TO3, and C-mount package		
<b>760 - 808 nm</b>		
	1-9 pcs.	1-9 pcs.
RLT760-10G, <b>760 nm</b> , 10 mW, sm, 60°C, 9 mm	359,00	404,28
RLT760-30G, <b>760 nm</b> , 30 mW, sm, 60°C, 9 mm	399,00	449,32
QL78D6SA, <b>780 nm</b> , 5 mW, sm, 60 °C, 5.6 mm	5,50	6,19
QL78D6SB, <b>780 nm</b> , 5 mW, sm, 60 °C, 5.6 mm	9,96	11,22
QL78F6SA, <b>780 nm</b> , 10 mW, sm, 60 °C, 5.6 mm	11,50	12,95
LTO21MCO (Sharp), <b>780 nm</b> , 15 mW, sm, 9 mm	29,68	33,42
QL78I6SA, <b>780 nm</b> , 25 mW, sm, 60 °C, 5.6 mm	19,80	22,30
QL78J6SA, <b>780 nm</b> , 50 mW, sm, 60 °C, 5.6 mm	25,00	28,15
RLT7870MG, <b>780 nm</b> , 70 mW, sm, 5.6 mm, <b>without photodiode</b>	77,18	86,91
RLT7890MG, <b>785 nm</b> , 90 mW, sm, 5.6 mm, <b>without photodiode</b>	79,50	89,53
RLT785-100MGS, <b>785 nm</b> , 100 mW, sm, 5.6 mm	52,00	58,56
RLT780-100GS, <b>780 nm</b> , 100 mW, sm, 9 mm	169,83	191,25
RLT785-150MGS, <b>785 nm</b> , 150 mW, sm, 5.6 mm	149,00	167,79
RLT780-150GS, <b>780 nm</b> , 150 mW, sm, 9 mm	328,70	370,16
RLT780-1000G, <b>785 nm</b> , 1 W, mm, 9 mm	160,70	180,97
RLT790-80MGS, <b>790 nm</b> , 80 mW, sm, 5.6 mm	148,00	166,67
RLT80805MG, <b>808 nm</b> , 5 mW, sm, 5.6 mm	39,54	44,53
RLT80810MG, <b>808 nm</b> , 10 mW, sm, 5.6 mm	25,00	28,15
RLT808-100G, <b>808 nm</b> , 100 mW, sm, 9 mm	96,00	108,11
RLT808-150GS, <b>808 nm</b> , 150 mW, sm, 9 mm	560,00	630,63
ADL-80Y04TZ, <b>808 nm</b> , 200 mW, mm, 50 °C, 5.6 mm, <b>without photodiode</b>	12,50	14,08
ADL-80Y05TZ, <b>808 nm</b> , low threshold, 200 mW, mm, 50 °C, 5.6 mm, <b>without photodiode</b>	14,90	16,78
SLD302V, SONY, <b>808 nm</b> , 200 mW, mm, 9 mm	83,74	94,30
S808200MG, <b>808 nm</b> , 200 mW, mm, 50 um, 5.6 mm	14,90	16,78
LDM-0808-300m-91, <b>808+/-5nm</b> , 300 mW, mm, 9 mm	44,00	49,55
LDM-0808-300m-11, <b>808+/-5nm</b> , 300 mW, mm, C-mount	35,00	39,41
LDM-0808-300m-31, <b>808+/-5nm</b> , 300 mW, mm, TO3, <b>without photodiode</b>	40,00	45,04
RLT808500G, <b>808 nm</b> , 500 mW, mm, 9 mm	24,00	27,03
S808500MG, <b>808 nm</b> , 500 mW, mm, 50°C, I <sub>OP</sub> typ. 520mA, 5.6 mm	19,90	22,41
S810500MG, <b>810 nm</b> , 500 mW, mm, 50°C, I <sub>OP</sub> typ. 560mA, 5.6 mm	19,90	22,41
ADL-80V03TL, <b>808 nm</b> , 500 mW, mm, 50 °C, 5.6 mm	49,80	56,08
LDM-0808-500m-92, <b>808+/-5 nm</b> , 500 mW, mm, 9 mm	45,00	50,68
LDM-0808-500m-12, <b>808+/-5 nm</b> , 500 mW, mm, C-mount	38,30	43,13
LDM-0808-500m-32, <b>808+/-5 nm</b> , 500 mW, mm, TO3	44,00	49,55
RLCO-808-500G, <b>808 nm</b> , 500 mW, mm, 9 mm	45,00	50,68
S8081WG, <b>808 nm</b> , 1 W, mm, 40°C, I <sub>OP</sub> typ. 1.25 A, 9 mm	59,90	67,45
LDM-0808-1000-93, <b>808+/-5 nm</b> , 1 W, mm, 9 mm	87,00	97,97
RLCO-808-1000G, <b>808 nm</b> , 1 W, mm, 9 mm	78,00	87,84
LDM-0808-001W-13, <b>808+/-5 nm</b> , 1 W, mm, C-mount	102,00	114,86
LDM-0808-001w-33, <b>808+/-5 nm</b> , 1 W, mm, TO3	105,00	118,24
LDM-0808-002w-15, <b>808+/-5 nm</b> , 2 W, mm, C-mount	138,00	155,40
LDM-0808-002w-35, <b>808+/-5 nm</b> , 2 W, mm, TO3	230,00	259,01
RLCO-808-2000-CT, <b>808 nm</b> , 2 W, mm, CT-mount	93,00	104,73
RLCO-808-2000-TO3, <b>808 nm</b> , 2 W, mm, TO3	93,00	104,73

LD808-2-TO3, <b>808+/-5 nm</b> , 2 W, mm, TO3	98,90	111,37
LDM-0808-3W-33, <b>808+/-5 nm</b> , 3 W, mm, TO3	397,00	447,07
RLCO-808-3000-TO3, <b>808 nm</b> , 3 W, mm, TO3	245,29	276,23
RLCO-808-4000-TO3, <b>808 nm</b> , 4 W, mm, TO3	299,26	337,00
RLCO-808-5000-TO3, <b>808 nm</b> , 5 W, mm, TO3	348,32	392,24
LD808-5-TO3, <b>808+/-5 nm</b> , 5 W, mm, TO3	580,00	653,15
RLCO-808-7000-CT, <b>808 nm</b> , 7 W, mm, CT-mount	453,79	511,02
RLCO-808-8000-CT, <b>808 nm</b> , 8 W, mm, CT-mount	515,11	580,08
	<b>EUR</b>	<b>USD</b>
	infrared laser diodes TO-can, TO3, and C-mount package	
<b>830 - 940 nm</b>		
	1-9 pcs.	1-9 pcs.
S8305MG, <b>830 nm</b> , 5 mW, lop <25 mA, mm, 40°C, 5.6 mm	15,40	17,34
ELD83NPT5, <b>830 nm</b> +/-10 nm, 5 mW, sm, 5.6 mm	32,86	37,00
RLT8320MG, <b>830 nm</b> , 20 mW, sm, 5.6 mm	71,02	79,98
S8330MG, <b>830 nm</b> , 30 mW, lop <75 mA, mm, 5.6 mm	16,40	18,47
RLT8340MG, <b>830 nm</b> , 40 mW, sm, 40°C, 5.6 mm	76,32	85,95
S8350MG, <b>830 nm</b> , 50 mW, mm, 50°C, I <sub>OP</sub> typ. 62 mA, 5.6 mm	28,40	31,98
S83100MG, <b>830 nm</b> , 100 mW, mm, 50°C, I <sub>OP</sub> typ. 115 mA, 5.6 mm	36,20	40,77
RLT830-100GS, <b>830 nm</b> , 100 mW, sm, 9 mm	191,74	215,92
RLT830-150GS, <b>830 nm</b> , 150 mW, sm, 9 mm	457,20	514,86
S83300MG, <b>830 nm</b> , 300 mW, mm, 50°C, I <sub>OP</sub> typ. 410 mA, 5.6 mm	42,00	47,30
S83500MG, <b>830 nm</b> , 500 mW, mm, 50°C, I <sub>OP</sub> typ. 660 mA, 5.6 mm	48,00	54,05
RLT83500G, <b>830 nm</b> , 500 mW, mm, 9 mm	92,00	103,60
RLT83500GOP, <b>830 nm</b> , 500 mW, mm, 9 mm, <b>without photodiode</b>	96,70	108,90
RLT831000G, <b>830 nm</b> , 1 W, mm, 9 mm	175,00	197,07
RLCO-830-1000G, <b>830 nm</b> , 1 W, mm, 9 mm	123,00	138,51
RLCO-830-1000-TO3, <b>830 nm</b> , 1 W, mm, TO3	93,00	104,73
POL-4200, <b>830 nm</b> +/-10/-0 nm, 1 W, mm, 9mm	137,80	155,18
RLT830-1.5G, <b>830 nm</b> , 1.5 W, mm, 9 mm	193,57	217,98
S8410MG, <b>840 nm</b> , 10 mW, sm, 60°C, 5.6 mm, <b>without photodiode</b>	28,80	32,43
S8450MG, <b>840 nm</b> , 50 mW, sm, 40°C, 5.6 mm, <b>without photodiode</b>	56,00	63,06
ELD85NPT5, <b>850 nm</b> +/-10 nm, 5 mW, sm, 5.6 mm	26,25	29,56
RLT8505MG, <b>850 nm</b> , 5 mW, sm, 40 °C, 5.6 mm	4,20	4,73
QL85D6SA, <b>850 nm</b> , 5 mW, sm, 60 °C, 5.6 mm	4,98	5,61
QL85F6SA, <b>850 nm</b> , 10 mW, sm, 60 °C, 5.6 mm	5,95	6,70
QL85H6SA, <b>850 nm</b> , 20 mW, sm, 60 °C, 5.6 mm	50,70	57,09
QL85I6SA, <b>850 nm</b> , 30 mW, sm, 60 °C, 5.6 mm	41,00	46,17
QL85J6SA-L, <b>850 nm</b> , 40 mW, sm, 60 °C, 5.6 mm	69,00	77,70
ADL-85501TL, <b>850 nm</b> , 50 mW, sm, 50 °C, 5.6 mm	49,20	55,41
RLT850-50MGS, <b>850 nm</b> , 50 mW, sm, 5.6 mm	46,10	51,91
S8550MG, <b>850 nm</b> , 50 mW, sm, 40°C, 5.6 mm	26,80	30,18
S85100MG, <b>850 nm</b> , 100 mW, mm, 50°C, I <sub>OP</sub> typ. 127 mA, 5.6 mm	34,90	39,30
S85300MG, <b>850 nm</b> , 300 mW, mm, 50°C, I <sub>OP</sub> typ. 435 mA, 5.6 mm	42,80	48,20
S85500MG, <b>850 nm</b> , 500 mW, mm, 50°C, I <sub>OP</sub> typ. 680 mA, 5.6 mm	49,90	56,19
RLT85100MG, <b>850 nm</b> , 100 mW, mm, 5.6 mm	75,00	84,46
RLT850-100GS, <b>850 nm</b> , 100 mW, single mode, 9 mm	o.r.	o.r.
RLT850-150GS, <b>850 nm</b> , 150 mW, single mode, 9 mm	476,00	536,03
RLT850M-1WG50, <b>850 nm</b> , 1 W, 50 µm, multi mode, 9 mm	273,91	308,46
RLT850M-2WC, <b>850 nm</b> , 2 W, multi mode, C-Mount	295,00	332,21
RLT855-10MG, <b>855 nm</b> , 10 mW, lop <55 mA, sm, 5.6 mm	19,40	21,85
QL86T4HD, <b>860 nm</b> , 1 W, 40 °C, lop typ. 1.3 A, mm, 9 mm, <b>without photodiode</b>	o.r.	o.r.
RLT860-1000G, <b>860 nm</b> , 1 W, multi mode, 9 mm, <b>without photodiode</b>	186,60	210,13
RLT878-5MG, <b>878 nm</b> , 5 mW, lop <35 mA, sm, 5.6 mm	22,40	25,23
S8810MG, <b>880 nm</b> , 10 mW, 60°, sm, 5.6 mm	18,80	21,17
RLT9005MG, <b>900 nm</b> , 5 mW, sm, 5.6 mm	40,02	45,06
RLT904-05MG, <b>904 nm</b> , 5 mW, sm, 5.6 mm	16,64	18,74

QL90F7SA, <b>904 nm</b> , 10 mW, 70° C, sm, 5.6 mm	28,00	31,53
RLT905-20G, <b>905 nm</b> , 20 mW, sm, 9 mm	407,00	458,33
RLT905-30G, <b>905 nm</b> , 30 mW, sm, 9 mm	508,00	572,07
RLT905-40G, <b>905 nm</b> , 40 mW, sm, 9 mm	675,00	760,13
RLT905-50G, <b>905 nm</b> , 50 mW, sm, 9 mm	731,00	823,19
RLT905-100G, <b>905 nm</b> , 100 mW, beam div. 10x30, sm, 9 mm	983,00	1.106,98
RLT905-100GS, <b>905 nm</b> , 100 mW, beam div. 25x40, sm, 9 mm	498,00	560,81
RLT905-300GS, <b>905 nm</b> , 300 mW, sm, 9 mm	o.r.	o.r.
RLT905-500G, <b>905 nm</b> , 500 mW, mm, 9 mm	o.r.	o.r.
RLT915-50GS, <b>915 nm</b> , 50 mW, sm, 9 mm	109,57	123,39
RLT915-150GS, <b>915 nm</b> , 150 mW, sm, 9 mm	310,43	349,58
RLT915-300GS, <b>915 nm</b> , 300 mW, sm, 9 mm	640,00	720,72
RLT91500G, <b>915 nm</b> , 500 mW, mm, 9 mm	126,00	141,89
RLT915-1000G, <b>915 nm</b> , 1000 mW, mm, 9 mm	155,00	174,55
RLT940-100GS, <b>940 nm</b> , 100 mW, sm, 9 mm	191,74	215,92
RLT940-200GS, <b>940 nm</b> , 200 mW, sm, 9 mm	577,00	649,77
RLT940-300GS, <b>940 nm</b> , 300 mW, sm, 9 mm	950,00	1.069,81
RLCO-940-1000-TO3, <b>940 nm</b> , 1 W, mm, TO3	81,00	91,22
RLCO-940-2000-TO3, <b>940 nm</b> , 2 W, mm, TO3	100,00	112,61
RLCO-940-3000-TO3, <b>940 nm</b> , 3 W, mm, TO3	270,00	304,05
RLCO-940-4000-TO3, <b>940 nm</b> , 4 W, mm, TO3	330,00	371,62
RLCO-940-5000-TO3, <b>940 nm</b> , 5 W, mm, TO3	383,00	431,30

**EUR      USD**



infrared laser diodes  
TO-can, TO3, and C-mount package

**960 - 1310 nm**

1-9 pcs.      1-9 pcs.

RLT960M-1WG, <b>960 nm</b> , 1.0 W, mm, 9 mm	o.r.	o.r.
RLT9810MG, <b>980 nm</b> , 10 mW, sm, 5.6 mm	84,80	95,49
S9810MG, <b>980 nm</b> , 10 mW, sm, 5.6 mm	12,70	14,30
RLT9810G, <b>980 nm</b> , 10 mW, sm, 9 mm	116,60	131,31
RLT9810GS, <b>980 nm</b> , 10 mW, sm, 9 mm	37,10	41,78
RLT9820G, <b>980 nm</b> , 20 mW, mm, 9 mm	100,70	113,40
RLT9830MG, <b>980 nm</b> , 30 mW, sm, 5.6 mm	30,62	34,48
RLT9830G, <b>980 nm</b> , 30 mW, sm, 9 mm	156,00	175,67
S9850MG, <b>980 nm</b> , 50 mW, sm, 5.6 mm	12,00	13,51
S9850MBA, <b>980 nm</b> , 50 mW, sm, 5.6 mm, without photodiode, without window	3,30	3,72
LDM-0980-050m-50, <b>980 nm</b> , 50 mW, mm, 5.6 mm	14,90	16,78
ELD98NPT50, <b>980 nm</b> +/-10 nm, 50 mW, sm, 9 mm	26,30	29,62
L98T50M, <b>980 nm</b> , 50 mW, mm, 9 mm	22,00	24,77
S98100MG, <b>980 nm</b> , 100 mW, mm, 5.6 mm	18,70	21,06
RLT980-100GS, <b>980 nm</b> , 100 mW, sm, 9 mm	82,17	92,53
RLT980-150GS, <b>980 nm</b> , 150 mW, sm, 9 mm	129,65	146,00
RLT980-200GS, <b>980 nm</b> , 200 mW, sm, 9 mm	166,17	187,13
RLT980-250GS, <b>980 nm</b> , 250 mW, sm, 9 mm	579,00	652,02
RLT980-300GS, <b>980 nm</b> , 300 mW, sm, 9 mm	579,00	652,02
LDM-0980-300m-92, <b>980 nm</b> +/-10 nm, 300 mW, mm, 9 mm	45,80	51,58
LDM-0980-300m-12, <b>980 nm</b> +/-10 nm, 300 mW, mm, C-mount	39,20	44,14
L98T300m, <b>980 nm</b> +/-5nm, 300 mW, mm, TO3	76,00	85,59
RLT98500G, <b>980 nm</b> , 500 mW, mm, 9 mm	108,00	121,62
RLT98500GOP, <b>980 nm</b> , 500 mW, mm, 9 mm, without photodiode	68,60	77,25
LDM-0980-500m-12, <b>980 nm</b> +/-10 nm, 500 mW, mm, C-mount	47,00	52,93
LDM-0980-500m-32, <b>980 nm</b> +/-10 nm, 500 mW, mm, TO3	87,00	97,97
RLT981000G, <b>980 nm</b> +/-10 nm, 1 W, mm, 9 mm	126,20	142,12
LDM-0980-001w-13, <b>980 nm</b> +/-10 nm, 1W, mm, C-mount	93,00	104,73
LDM-0980-001w-33, <b>980 nm</b> +/-10 nm, 1W, mm, TO3	99,00	111,49
LDM-0980-002w-15, <b>980 nm</b> +/-10 nm, 2W, mm, C-mount	155,00	174,55
LDM-0980-002w-35, <b>980 nm</b> +/-10 nm, 2W, mm, TO3	158,00	177,93

RLCO-980-3000-TO3, <b>980 nm</b> , 3 W, mm, TO3	187,79	211,47
RLCO-980-4000-TO3, <b>980 nm</b> , 4 W, mm, TO3	228,77	257,62
RLCO-980-5000-TO3, <b>980 nm</b> , 5 W, mm, TO3	266,33	299,92
RLT995-5MG, <b>995 nm</b> , 5 mW, lop <35 mA, sm, 5.6 mm	22,40	25,23
RLT1050M-500G, <b>1050 nm</b> , 500 mW, mm, 9 mm	184,00	207,21
RLT1060-10G, <b>1060 nm</b> , 10 mW, sm, 9 mm	330,00	371,62
RLT1060-20G, <b>1060 nm</b> , 20 mW, sm, 9 mm	398,00	448,20
RLT1060-30G, <b>1060 nm</b> , 30 mW, sm, 9 mm	410,00	461,71
RLT1060-50G, <b>1060 nm</b> , 50 mW, sm, 9 mm	568,00	639,64
RLT1064-50MGS, <b>1064 nm</b> , 50 mW, sm, 5.6 mm	98,00	110,36
RLT1064-100GS, <b>1064 nm</b> , 100 mW, sm, 9 mm	146,00	164,41
RLT1060-100G, <b>1064 nm</b> , 100 mW, sm, 9 mm	362,65	408,39
RLT1060-150G, <b>1064 nm</b> , 150 mW, sm, 9 mm	n.a	n.a
RLT1060-200G, <b>1064 nm</b> , 200 mW, sm, 9 mm	382,00	430,18
RLT1060-350G, <b>1064 nm</b> , 350 mW, sm, 9 mm	593,48	668,33
RLT1060M-1WG, <b>1064 nm</b> , 1.0 W, mm, 9 mm	148,00	166,67
RLT1060-1000HHL, <b>1064 nm</b> ±30 nm, 1.0 W, mm, HHL package	1.400,00	1.576,57
RLT1060M-2WG, <b>1064 nm</b> , 1.3 W, mm, 9 mm	182,61	205,64
RLCO-1064-2000-TO3, <b>1064 nm</b> , 2 W, mm, TO3	193,00	217,34
RLT1060-3000HHL, <b>1060 nm</b> ±20 nm, <3.0 W, mm, HHL package	1.960,00	2.207,20
RLT1070-10MG, <b>1070 nm</b> , 10 mW, sm, 5.6 mm	262,50	295,61
RLT1080-10G, <b>1080 nm</b> , 10 mW, sm, 9 mm	357,00	402,02
RLT1260-500HHL, <b>1260 nm</b> ±20 nm, 500 mW, mm, HHL package	1.680,00	1.891,88
RLT1260-750HHL, <b>1260 nm</b> ±20 nm, 750 mW, mm, HHL package	2.240,00	2.522,51
RLT1300-5G, <b>1300 nm</b> , 5 mW, sm, 9 mm	223,00	251,12
RLT1300-10G, <b>1300 nm</b> , 10 mW, sm, 9 mm	335,00	377,25
RLT1300-20G, <b>1300 nm</b> , 20 mW, sm, 9 mm	357,00	402,02
RLT1300-30G, <b>1300 nm</b> , 30 mW, sm, 9 mm	383,00	431,30
RLT1300-40G, <b>1300 nm</b> , 40 mW, sm, 9 mm	451,00	507,88
RLT1300-50G, <b>1300 nm</b> , 50 mW, sm, 9 mm	543,00	611,48
ML720A1S-E22E, <b>1310 nm</b> , 4 mW, sm, 5.6 mm	21,91	24,68
RLT1300-BL, <b>1310 nm</b> , 5 mW, 5.6 mm, ball lens	5,00	5,63
RLT1300-FW, <b>1310 nm</b> , 5 mW, 5.6 mm, flat window	5,00	5,63
LDS-1310-005-BL, <b>1310 nm</b> +/-10 nm, 5 mW, sm, 5.6 mm, ball lens, <b>4-pin</b>	9,60	10,81
S1300-5MG-BL, <b>1310 nm</b> , 5 mW, TO56, 85°C, ball lens (1.25 Gbps), <b>4-pin</b>	13,40	15,09
S1300-5MG-FW, <b>1310 nm</b> , 5 mW, TO56, 85°C, flat window (1.25 Gbps), <b>4-pin</b>	13,40	15,09
S1300N-5MG-FW, <b>1310 nm</b> , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	13,40	15,09

**EUR**      **USD**



infrared laser diode  
TO-can, TO3, C-mount, HHL package

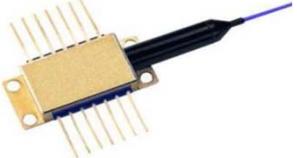
**1430 - 1750 nm**

1-9 pcs.      1-9 pcs.

L145T600m, <b>1450+/-10nm</b> , 600 mW, mm, TO3 ► PHASE OUT	207,00	233,11
RLT1450-2WC, <b>1450+/-30nm</b> , 2 W, mm, C-Mount	520,00	585,58
RLT1460-5MG, <b>1460 nm</b> , 5 mW, sm, 5.6 mm	110,00	123,87
RLT1480-5G, <b>1480 nm</b> , 5 mW, sm, 9 mm	290,00	326,57
RLT1480-10G, <b>1480 nm</b> , 10 mW, sm, 9 mm	349,00	393,02
RLT1480-20G, <b>1480 nm</b> , 20 mW, sm, 9 mm	422,00	475,22
LD1490-C010, <b>1490 nm</b> , DFB, 10 mW, sm, with photodiode, 5.6 mm	270,00	304,05
RLT1500-10G, <b>1500 nm</b> , 10 mW, sm, 9 mm	349,00	393,02
RLT1500-20G, <b>1500 nm</b> , 20 mW, sm, 9 mm	438,00	493,24
RLT1500-30G, <b>1500 nm</b> , 30 mW, sm, 9 mm	o.r.	o.r.
S1550-5MG-BL, <b>1550 nm</b> , 5 mW, TO56, 85°C, ball lens (1.25 Gbps)	15,50	17,45
S1550-5MG-FW, <b>1550 nm</b> , 5 mW, TO56, 85°C, flat window (1.25 Gbps)	15,50	17,45
RLT1550-5G, <b>1550 nm</b> , 5 mW, sm, 9 mm	299,00	336,71
RLT1550-10G, <b>1550 nm</b> , 10 mW, sm, 9 mm	325,00	365,99
RLT1550-15G, <b>1550 nm</b> , 15 mW, sm, 9 mm	330,00	371,62
RLT1550-20G, <b>1550 nm</b> , 20 mW, sm, 9 mm	339,00	381,75

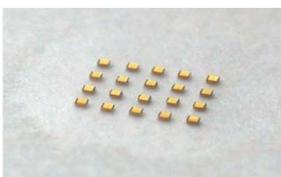
RLT1550-30G, <b>1550 nm</b> , 30 mW, sm, 9 mm	387,00	435,81
RLT1550-40G, <b>1550 nm</b> , 40 mW, sm, 9 mm	o.r.	o.r.
RLT1550-100G, <b>1550 nm</b> , 100 mW, lop typ. 800 mA, aperture: 100x1 um <sup>2</sup> , mm, 9 mm	743,00	836,71
RLT1550-250HHL, <b>1550 nm</b> ±30 nm, 250 mW, mm, HHL package	1.613,00	1.816,43
RLT1550-500HHL, <b>1550 nm</b> ±30 nm, 500 mW, mm, HHL package	1.963,00	2.210,57
LD1550-C500, <b>1550 nm</b> , FP, 500 mW, mm, 9mm	o.r.	o.r.
RLT1600-10G, <b>1600 nm</b> , 10 mW, sm, 9 mm	443,00	498,87
RLT1600-20G, <b>1600 nm</b> , 20 mW, sm, 9 mm	563,00	634,01
RLT1600-30G, <b>1600 nm</b> , 30 mW, sm, 9 mm	668,00	752,25
RLT1600-40G, <b>1600 nm</b> , 40 mW, sm, 9 mm	796,00	896,39
RLT1600-300HHL, <b>1600 nm</b> ±20 nm, 300 mW, mm, HHL package	2.943,00	3.314,17
RLT1725-300HHL, <b>1725 nm</b> ±15 nm, 300 mW, mm, HHL package	3.223,00	3.629,48
RLT1750-300HHL, <b>1750 nm</b> ±15 nm, 300 mW, mm, HHL package	3.503,00	3.944,80
RLT1750-500HHL, <b>1750 nm</b> ±15 nm, 500 mW, mm, HHL package	3.849,00	4.334,44
RLT1770-10G, <b>1770 nm</b> +/- 30 nm, 10 mW, sm, 9 mm	563,00	634,01
RLT1770-20G, <b>1770 nm</b> +/- 20 nm, 20 mW, sm, 9 mm	703,00	791,66
RLT1770-30G, <b>1770 nm</b> +/- 30 nm, 30 mW, sm, 9 mm	843,00	949,32
RLT1770-40G, <b>1770 nm</b> +/- 20 nm, 40 mW, sm, 9 mm	1.175,00	1.323,19
RLT1800-300HHL, <b>1800 nm</b> ±15 nm, 300 mW, mm, HHL package	4.290,00	4.831,05

## LASER DIODES - MID IR

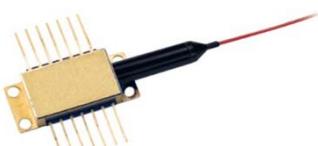
FP	EUR	USD
	fabry perot laser diodes in TO56 package, - working at room temperature (range 0 - 70°C) - with monitor photodiode	
2307 - 2325 nm	1-3 pcs.	1-3 pcs.
RLTCM-2307D, <b>2.3 um</b> , 7.5 mW cw, multi mode, 5.6 mm with monitor photodiode	1.640,00	1.846,84
RLTCM-2310D, <b>2.3 um</b> , 10 mW cw, multi mode, 5.6 mm with monitor photodiode	1.980,00	2.229,72
RLTCM-2325D, <b>2.3 um</b> , 25 mW cw, multi mode, 5.6 mm with monitor photodiode	3.800,00	4.279,26
PIGTAILED	EUR	USD
	pigtailed laser diode in 14-Pin butterfly package - Ridge waveguide technology - carbon dioxide monitoring - tunable LD absorption spectroscopy	
2020 nm	1-3 pcs.	1-3 pcs.
RLEP202-F, <b>2020 nm</b> , 10 mW cw, Fabry Perot, 14-pin DIL with TEC & thermistor	2.187,00	2.462,82
RLEP202-D, <b>2020 nm</b> , 3.5 mW cw, discrete mode, single mode, linewidth < 2 MHz	3.610,00	4.065,29

## LASER DIODES - PULSED

PULSED INFRARED LASER DIODES	EUR	USD
	high power pulsed laser diodes	
850, 904, 1550, 1610 and 1625 nm		
	1-9 pcs.	1-9 pcs.
PLD850-2-T, <b>850 nm</b> , 2 W-pulse, 40 x 1 um <sup>2</sup> , TO-46	99,00	111,49
PLD904-5-T, <b>904 nm</b> , 5 W-pulse, 75 x 1 um <sup>2</sup> , TO-46	49,40	55,63
LDMP-0905-10W-51, <b>905 nm</b> , 10W, single emitter, 50...200ns, 0.05%, 370x1um <sup>2</sup> , 5.6mm	67,00	75,45
LDMP-0905-20W-51, <b>905 nm</b> , 20W, single emitter, 50...200ns, 0.05%, 370x1um <sup>2</sup> , 5.6mm	77,00	86,71
LDMP-0905-50W-93, <b>905 nm</b> , 50 W, 2 stacks, 50...200 ns, 0.05%, 370x100 um <sup>2</sup> , 9 mm	159,00	179,05
VL905P50, <b>905 nm</b> , 50 W, 100 ns, 0.2%, 60°C, <b>5mm epoxy</b>	25,90	29,17
VL905P75, <b>905 nm</b> , 75 W, 100 ns, 0.2%, 60°C, <b>5mm epoxy</b>	29,80	33,56
RLT-HPL905-50, <b>904 nm</b> , 50 W-pulse, 50 ns, 370 x 100 um <sup>2</sup> , 9 mm	236,00	265,76
LDMP-1550-015W-52, <b>1550 nm</b> , 15W, single emitter, 50...200ns, 0.05%, 370x1um <sup>2</sup> , 5.6mm	269,00	302,93
RLT1610-100MPG, <b>1610 nm</b> , 1x200 um, 100 mW-pulse, <1us, <50 kHz, 5% Duty, 9 mm	198,00	222,97

LD1625-C120, <b>1625 nm</b> , FP, 120 mW, sm, pulsed mode, 10 us PW, 1% DC, 5.6 mm	449,50	506,19
<h2>LASER DIODES - BARE CHIP DIES</h2>		
<b>LASER DIODE CHIPS</b>	<b>EUR</b>	<b>USD</b>
 <p>EPI wafer laser diode chip dies 635, 650, 980 ,1310 nm</p>	20-99 pcs.	20-99 pcs.
CHIP-635-P5, <b>635 nm</b> , 5 mW, laser diode chip die, sm, <b>MOQ 1000 pcs</b>	1,40	1,58
CHIP-650-P5, <b>650 nm</b> , 5 mW, laser diode chip, single ridge waveguide sm, <b>MOQ 1000 pcs</b>	0,93	1,05
CHIP-980-P50, <b>980 nm</b> , 50 mW, laser diode chip die, sm, <b>MOQ 100pcs</b>	2,92	3,29
CHIP-1310-P5, <b>1310 nm</b> , FP, 5 mW, sm, 2.5 GHz, <b>MOQ 1000pcs</b>	4,10	4,62
<h2>LASER DIODES - PIGTAILED</h2>		
<b>PIGTAILED COAXIAL PACKAGE</b>	<b>EUR</b>	<b>USD</b>
 <p>pigtailed laser diodes in coaxial package - single and multi mode - different connectors available  405 - 1625 nm</p>	1-9 pcs.	1-9 pcs.
SPL405-15-3, <b>405+/-5 nm</b> , 15 mW, single mode, 3 µm fiber, <b>no photodiode</b>	821,74	925,38
SPL405-15-3P, <b>405+/-5 nm</b> , 15 mW, single mode, 3 µm PM fiber, <b>no photodiode</b>	1.278,26	1.439,48
SPL405-30-3-PD, <b>405+/-5 nm</b> , 30 mW, single mode, 3 µm fiber	1.890,00	2.128,37
SPL405-50-3, <b>405+/-5 nm</b> , 50 mW, single mode, 3 µm fiber, <b>no photodiode</b>	1.460,87	1.645,11
SPL405-50-3P, <b>405+/-5 nm</b> , 50 mW, single mode, 3 µm PM fiber, <b>no photodiode</b>	2.191,30	2.467,67
SPL405-100-3, <b>405+/-5 nm</b> , 100 mW, single mode, 3 µm fiber, <b>no photodiode</b>	o.r.	o.r.
SPL405-100-3P, <b>405+/-5 nm</b> , 100 mW, single mode, 3 µm PM fiber, <b>no photodiode</b>	3.560,00	4.008,99
SPL405-10-50M-PD, <b>405+/-4 nm</b> , 10 mW, 50 µm MM fiber	260,00	292,79
SPL405-50-50M, <b>405+/-4 nm</b> , 50 mW, 50 µm MM fiber, <b>no photodiode</b>	425,00	478,60
SPL405-100-50M, <b>405+/-4 nm</b> , 100 mW, 50 µm MM fiber, <b>no photodiode</b> , FC connector	740,00	833,33
SPL405-350-50M, <b>405+/-4 nm</b> , 350 mW, 50 µm MM fiber, <b>no photodiode</b>	1.260,00	1.418,91
SPL445-15-4, <b>445+/-5 nm</b> , 15 mW, single mode, 4 µm fiber, <b>no photodiode</b>	680,00	765,76
SPL445-20-4, <b>445+/-5 nm</b> , 20 mW, single mode, 4 µm fiber, <b>no photodiode</b>	845,00	951,57
SPL445-30-4, <b>445+/-5 nm</b> , 30 mW, single mode, 4 µm fiber, <b>no photodiode</b>	o.r.	o.r.
SPL445-30-4P, <b>445+/-5 nm</b> , 30 mW, single mode, 4 µm PM fiber, <b>no photodiode</b>	o.r.	o.r.
SPL445-40-4, <b>445+/-5 nm</b> , 40 mW, single mode, 4 µm fiber, <b>no photodiode</b>	1.700,00	1.914,40
SPL445-40-4P, <b>445+/-5 nm</b> , 40 mW, single mode, 4 µm PM fiber, <b>no photodiode</b>	2.350,00	2.646,38
SPL445-50-4, <b>445+/-5 nm</b> , 50 mW, single mode, 4 µm fiber, <b>no photodiode</b>	o.r.	o.r.
SPL445-50-4P, <b>445+/-5 nm</b> , 50 mW, single mode, 4 µm PM fiber, <b>no photodiode</b>	o.r.	o.r.
SPL445-50-50M, <b>445+/-5 nm</b> , 50 mW, 50 µm MM fiber, <b>no photodiode</b>	422,00	475,22
SPL520-02-4, <b>520 nm</b> , 2 mW, single mode, 3 µm fiber, FC connector, <b>no photodiode</b>	299,00	336,71
SPL520-05-4, <b>520 nm</b> , 5 mW, single mode, 3 µm fiber, FC connector, <b>no photodiode</b>	499,00	561,93
SPL520-05-9, <b>520 nm</b> , 5 mW, 9 µm fiber, FC connector, <b>no photodiode</b>	399,00	449,32
SPL520-05-4-B, <b>520 nm</b> , 5 mW, 3 µm fiber, FC connector, 14-pin pacakge, <b>no photodiode</b>	899,00	1.012,38
SPL520-10-4, <b>520 nm</b> , 10 mW, single mode, 3 µm fiber, FC connector, <b>no photodiode</b>	799,00	899,77
SPL520-10-9, <b>520 nm</b> , 10 mW, 9 µm fiber, FC connector, <b>no photodiode</b>	599,00	674,55
SPL520-10-4-PD, <b>520 nm</b> , 10 mW, single mode, 3 µm fiber, FC connector	899,00	1.012,38
SPL520-10-4-B, <b>520 nm</b> , 10 mW, 3 µm fiber, FC connector, 14-pin pacakge, <b>no photodiode</b>	1.199,00	1.350,22
SPL520-20-4, <b>520 nm</b> , >20 mW, single mode, 3 µm fiber, FC connector, <b>no photodiode</b>	1.199,00	1.350,22
SPL520-30-4, <b>520 nm</b> , >30 mW, single mode, 3 µm fiber, FC connector, <b>no photodiode</b>	1.499,00	1.688,05
SPL520-30-4-PD, <b>520 nm</b> , 30 mW, single mode, 3 µm fiber, FC connector	o.r.	o.r.
SPL520-30-4P-PD, <b>520 nm</b> , 30 mW, single mode, 3 µm PM fiber, FC connector	1.599,00	1.800,67
SPL520-30-62M, <b>520 nm</b> , 30 mW, 62.5 µm MM fiber, FC connector, <b>no photodiode</b>	428,00	481,98
SPL520-30-62M-PD, <b>520 nm</b> , 30 mW, 62.5 µm MM fiber, FC connector	499,00	561,93
SPL520-50-105M, <b>520 nm</b> , 50 mW, 105 µm MM fiber, FC connector, <b>no photodiode</b>	525,00	591,21
SPL520-50-105M-PD, <b>520 nm</b> , 50 mW, 105 µm MM fiber, FC connector	699,00	787,16

SPL520-80-105M, <b>520 nm</b> , 80 mW, 105 µm MM fiber, FC connector, <b>no photodiode</b>	733,00	825,45
SPL520-500-62M, <b>520 nm</b> , 400 mW, 62.5 µm MM fiber, FC connector, <b>no photodiode</b>	1.199,00	1.350,22
SPL520-800-62M, <b>520 nm</b> , 800 mW, 105 µm MM fiber, FC connector, <b>no photodiode</b>	1.399,00	1.575,44
SPL532-20-50M-PD, <b>532 nm</b> , 20 mW, 50 µm MM fiber, PD, FC connector	675,00	760,13
SPL532-30-50M-PD, <b>532 nm</b> , 30 mW, 50 µm MM fiber, PD, FC connector	740,00	833,33
SPL532-50-50M-PD, <b>532 nm</b> , 50 mW, 50 µm MM fiber, PD, FC connector	840,00	945,94
RLCD-S63-02, <b>635+/-10 nm</b> , 2 mW, single mode, 4 µm fiber, FC connector	220,00	247,75
SPL635-2-4-PD, <b>635+/-5 nm</b> , 2 mW, single mode, 4 µm fiber	220,00	247,75
SPL635-3-4-PD, <b>635+/-5 nm</b> , 3 mW, single mode, 4 µm fiber	300,00	337,84
SPL635-5-4-PD, <b>635+/-5 nm</b> , 5 mW, single mode, 4 µm fiber	340,00	382,88
SPL635-5-4P-PD, <b>635+/-5 nm</b> , 5 mW, single mode, 4 µm PM fiber	o.r.	#WERT!
SPL635-5-105M-PD, <b>635nm+/-5 nm</b> , 5 mW, 105 µm MM fiber	280,00	315,31
RLCD-S63-10, <b>635+/-10 nm</b> , 10 mW, single mode, 4 µm fiber, FC connector	440,00	495,49
RLCD-S63-20, <b>635+/-10 nm</b> , 20 mW, single mode, 4 µm fiber, FC connector, <b>no photodiode</b>	920,00	1.036,03
SPL635-20-4, <b>637+/-5 nm</b> , 20 mW, single mode, 4 µm fiber, FC connector, <b>no photodiode</b>	450,00	506,75
SPL650-1-4-PD, <b>650+/-5 nm</b> , 1 mW, single mode, 4 µm fiber	320,00	360,36
RLTG065AU, <b>650+/-10 nm</b> , 2.5 mW, 100 µm MM fiber, FC-connector	219,64	247,34
SPL650-3-105M-PD, <b>650+/-5 nm</b> , 3 mW, 105 µm MM fiber	180,00	202,70
SPL650-10-4-PD, <b>658+/-5 nm</b> , 10 mW, single mode, 4 µm fiber	420,00	472,97
SPL650-20-4, <b>658+/-5 nm</b> , 20 mW, single mode, 4 µm fiber, <b>no photodiode</b>	320,00	360,36
SPL650-20-4P, <b>658+/-5 nm</b> , 20 mW, single mode, 4 µm PM fiber, <b>no photodiode</b>	o.r.	o.r.
SPL650-30-105M, <b>658+/-5 nm</b> , 30 mW, 105 µm MM fiber, <b>no photodiode</b>	220,00	247,75
SPL650-50-9, <b>658+/-5 nm</b> , 40 mW, single mode, 9 µm fiber, <b>no photodiode</b>	252,00	283,78
SPL650-40-4, <b>658+/-5 nm</b> , 40 mW, single mode, 4 µm fiber, <b>no photodiode</b>	530,00	596,84
SPL650-50-4P, <b>658+/-5 nm</b> , 50 mW, single mode, 4 µm PM fiber, <b>no photodiode</b>	1.260,00	1.418,91
SPL650-60-105M, <b>658+/-5 nm</b> , 60 mW, 105 µm MM fiber, <b>no photodiode</b>	o.r.	o.r.
SPL650-100-9, <b>658+/-5 nm</b> , 100 mW, single mode, 9 µm fiber, <b>no photodiode</b>	525,00	591,21
SPL650-100-4, <b>658+/-5 nm</b> , 100 mW, single mode, 4 µm fiber, <b>no photodiode</b>	1.258,00	1.416,66
SPL650-100-4P, <b>658+/-5 nm</b> , 100 mW, single mode, 4 µm PM fiber, <b>no photodiode</b>	1.680,00	1.891,88
RLCD-S66-02, <b>660+/-5 nm</b> , 2 mW, single mode, 4 µm fiber, FC connector	203,00	228,60
RLCD-S66-10, <b>660+/-5 nm</b> , 10 mW, single mode, 4 µm fiber, FC connector	385,00	433,56
RLCD-S66-40, <b>660+/-5 nm</b> , 40 mW, single mode, 4 µm fiber, FC connector, <b>no photodiode</b>	694,00	781,53
SPL670-1-4-PD, <b>670nm+/-10 nm</b> , 1 mW, single mode, 4 µm fiber	420,00	472,97
SPL670-1-4P-PD, <b>670nm+/-10 nm</b> , 1 mW, single mode, 4 µm PM fiber	840,00	945,94
SPL685-4-4P-PD, <b>685nm+/-15 nm</b> , 4 mW, single mode, 4 µm PM fiber	840,00	945,94
SPL685-10-4-PD, <b>685±15 nm</b> , 10 mW, single mode, 4 µm fiber	525,00	591,21
SPL685-15-4-PD, <b>685±15 nm</b> , 15 mW, single mode, 4 µm fiber	630,00	709,46
SPL685-25-4P-PD, <b>685±15 nm</b> , 25 mW, single mode, 4 µm PM fiber	1.480,00	1.666,66
SPL785-20-4-PD, <b>785nm+/-10 nm</b> , 20 mW, single mode, 4 µm fiber	420,00	472,97
SPL785-20-4P-PD, <b>785nm+/-10 nm</b> , 20 mW, single mode, 4 µm PM fiber	1.055,00	1.188,06
SPL785-40-4-PD, <b>785nm+/-10 nm</b> , 40 mW, single mode, 4 µm fiber	635,00	715,09
SPL785-50-4, <b>785nm+/-10 nm</b> , 50 mW, single mode, 4 µm fiber, <b>no photodiode</b>	845,00	951,57
SPL785-50-4P-PD, <b>785nm+/-10 nm</b> , 50 mW, single mode, 4 µm PM fiber, FC connector	1.280,00	1.441,43
SPL785-50-105M-PD, <b>785nm+/-10 nm</b> , 50 mW, 105 µm MM fiber	220,00	247,75
SPL808-15-5, <b>808+/-5 nm</b> , 15 mW, single mode, 5 µm fiber, FC connector, <b>no photodiode</b>	530,00	596,84
SPL808-20-5-PD, <b>808+/-5 nm</b> , 20 mW, single mode, 5 µm fiber, FC connector	530,00	596,84
RLCD-M81-40, <b>808+/-5 nm</b> , 40 mW, multi mode, 62.5 µm fiber, FC connector	240,00	270,27
SPL808-50-5-PD, <b>808+/-5 nm</b> , 50 mW, single mode, 5 µm fiber, FC connector	1.099,00	1.237,61
RLCD-M81-60, <b>808+/-5 nm</b> , 60 mW, multi mode, 62.5 µm fiber, FC connector	237,60	267,57
SPL808-120-105M-PD, <b>808+/-5 nm</b> , 120 mW, 105 µm multi mode fiber, FC connector	190,00	213,96
SPL808-200-105M-PD, <b>808+/-5 nm</b> , 200 mW, 105 µm multi mode fiber, FC connector	240,00	270,27
SPL830-5-4-PD, <b>830+/-10 nm</b> , 5 mW, single mode, 4 µm fiber	340,00	382,88
SPL830-10-9-PD, <b>830+/-10 nm</b> , 10 mW, single mode, 9 µm fiber	360,00	405,40
SPL830-30-4-PD, <b>830+/-10 nm</b> , 30 mW, single mode, 4 µm fiber	380,00	427,93
SPL830-50-4P-PD, <b>830+/-10 nm</b> , 50 mW, single mode, 4 µm PM fiber	1.280,00	1.441,43
SPL830-120-62M-PD, <b>830+/-10 nm</b> , 120 mW, multi mode, 62.5 µm fiber	280,00	315,31
SPL850-10-4P-PD, <b>850nm+/-5 nm</b> , 10 mW, single mode, 4 µm PM fiber	1.060,00	1.193,69
SPL850-14-4-PD, <b>850nm+/-5 nm</b> , 14 mW, single mode, 4 µm fiber	560,00	630,63
SPL850-30-105M-PD, <b>850nm+/-5 nm</b> , 30 mW, 105 µm MM fiber	320,00	360,36
SPL880-1-4P-PD, <b>880nm+/-10 nm</b> , 1 mW, single mode, 4 µm PM fiber	950,00	1.069,81
SPL880-2-4-PD, <b>880nm+/-10 nm</b> , 2 mW, single mode, 4 µm fiber	425,00	478,60

SPL940-30-4-PD, <b>940nm+/-10 nm</b> , 30 mW, single mode, 4 µm fiber	1.100,00	1.238,73	
SPL940-30-PM-PD, <b>940nm+/-10 nm</b> , 30 mW, single mode, 4 µm PM fiber	1.300,00	1.463,96	
SPL980-10-9-PD, <b>980nm+/-10 nm</b> , 10 mW, single mode, 9 µm fiber	300,00	337,84	
SPL980-15-9-PD, <b>980nm+/-10 nm</b> , 15 mW, single mode, 9 µm fiber	320,00	360,36	
SPL980-30-105M-PD, <b>980nm+/-15 nm</b> , 30 mW, 105 µm MM fiber	220,00	247,75	
SPL980-100-105M-PD, <b>980nm+/-15 nm</b> , 100 mW, 105 µm MM fiber	280,00	315,31	
SPL1064-5-4-PD, <b>1064nm+/-10 nm</b> , 5 mW, single mode, 4 µm fiber	420,00	472,97	
SPL1064-10-4-PD, <b>1064nm+/-10 nm</b> , 10 mW, single mode, 4 µm fiber	525,00	591,21	
SPL1064-30-4-PD, <b>1064nm+/-10 nm</b> , 30 mW, single mode, 4 µm fiber	945,00	1.064,18	
SPL1064-50-4-PD, <b>1064nm+/-10 nm</b> , 50 mW, single mode, 4 µm fiber	1.050,00	1.182,43	
SPL1270-2-9-PD, <b>1270+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1290-2-9-PD, <b>1290+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
FU-17SLD-F3M1, <b>1310+/-20 nm</b> , 0.5mW, FC-receptacle	142,04	159,95	
LFO-14-ip, <b>1310+/-20 nm</b> , 1 mW, FP, sm, 9/125 fiber, FC connector	262,00	295,04	
LFO-14-d, <b>1310+/-20 nm</b> , >1 mW, FP, sm, 9/125 fiber, FC connector, <b>internal driver</b> , 3V	283,00	318,69	
SPL1310-1-9-PD, <b>1310+/-20 nm</b> , 1 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	220,00	247,75	
SPL1310-2-9-PD, <b>1310+/-20 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1310-3-9-PD, <b>1310+/-20 nm</b> , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	340,00	382,88	
SPL1310-4-9-PD, <b>1310+/-20 nm</b> , 4 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	360,00	405,40	
SPL1310-5-9-PD, <b>1310+/-20 nm</b> , 5 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	420,00	472,97	
SPL1310-10-9-PD, <b>1310+/-20 nm</b> , 10 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	505,00	568,69	
SPL1330-2-9-PD, <b>1330+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1350-2-9-PD, <b>1350+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1370-2-9-PD, <b>1370+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1390-2-9-PD, <b>1390+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1410-2-9-PD, <b>1410+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1430-2-9-PD, <b>1430+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1450-2-9-PD, <b>1450+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1470-2-9-PD, <b>1470+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1490-2-9-PD, <b>1490+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1510-2-9-PD, <b>1510+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1530-2-9-PD, <b>1530+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
LFO-18-ip, <b>1550+/-20 nm</b> , 0.8 mW, FP, sm, 9/125 fiber, FC-connector	399,00	449,32	
LFO-18-d, <b>1550+/-20 nm</b> , >0.8 mW, FP, sm, 9/125 fiber, FC connector, <b>internal driver</b> , 3V	420,00	472,97	
LFO-18-2-ip, <b>1550+/-20 nm</b> , 2 mW, FP, sm, 9/125 fiber, FC connector	440,00	495,49	
LFO-18-2-d, <b>1550+/-20 nm</b> , >2 mW, FP, sm, 9/125 fiber, FC connector, <b>internal driver</b> , 3V	462,00	520,27	
SPL1550-2-9-PD, <b>1550+/-30 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1550-3-9-PD, <b>1550+/-30 nm</b> , 3 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	350,00	394,14	
SPL1550-8-9-PD, <b>1550+/-30 nm</b> , 8 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	420,00	472,97	
SPL1550-10-9-PD, <b>1550+/-30 nm</b> , 10 mW, DFB, 2.0 GB/s, sm, 9 µm fiber	510,00	574,32	
SPL1570-2-9-PD, <b>1570+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1590-2-9-PD, <b>1590+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
SPL1610-2-9-PD, <b>1610+/-3 nm</b> , 2 mW, DFB, 1.25 GB/s, sm, 9 µm fiber	320,00	360,36	
<b>Heat Sink for SPL laser diodes</b>	<b>EUR</b>	<b>USD</b>	
	Greatly improves the heat dissipation capability of the SPL coaxial laser diodes  - made from CNC cut Aluminium - laser diode fixation by grub screw - <b>only suitable for SPL series</b>	1-9 pcs.	1-9 pcs.
Heat Sink SPL-Coax, Aluminium, 16 x 16 x 8 mm, aperture diameter 6.2 mm, 3g	23,40	26,35	
<b>PIGTAILED HHL</b>	<b>EUR</b>	<b>USD</b>	
  <b>635 - 1550 nm</b>	pigtailed laser diodes in HHL package - single and multi mode - different connectors available	1-9 pcs.	1-9 pcs.
RLCD-M63H-350, <b>635+/-10 nm</b> , 350 mW, multi mode, 100 µm fiber, FC or SMA Connector	2.108,00	2.373,86	
RLCD-M63H-1W, <b>635+/-10 nm</b> , 1 W, multi mode, 400 µm fiber bundle, FC or SMA Connector	5.275,00	5.940,28	

RLCD-M63H-2W, <b>635+/-10 nm</b> , 2 W, multi mode, 400 µm fiber bundle, FC or SMA Connector	7.610,00	8.569,77
RLCD-M65H-200, <b>650+/-5 nm</b> , 200 mW, multi mode, 100 µm fiber, FC or SMA Connector	620,00	698,19
RLCD-M66H-750, <b>660+/-5 nm</b> , 750 mW, multi mode, 100 µm fiber, FC or SMA Connector	2.383,00	2.683,54
RLCD-S66H-40, <b>660+/-5 nm</b> , 40 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	978,00	1.101,35
RLCD-S66H-60, <b>660+/-5 nm</b> , 60 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	1.050,00	1.182,43
RLCD-S66H-80, <b>660+/-5 nm</b> , 80 mW, single mode, 4 µm fiber, HHL, TEC, FC-Connector	1.120,00	1.261,25
G066PU214W, <b>660+/-5 nm</b> , 1.4 W, 430 um, TEC, SMA connector	3.153,19	3.550,87
G066PU335W, <b>660+/-5 nm</b> , 3.5 W, 600 um, TEC, SMA connector	5.382,71	6.061,58
G067PU160M, <b>670+/-10 nm</b> , 160 mW, 100 um, FC connector	810,00	912,16
G067PU200M, <b>670+/-10 nm</b> , 200 mW, 100 um, FC connector	1.200,00	1.351,34
RLCD-M66H-2W, <b>665+/-5 nm</b> , 2 W, multi mode, 400 µm fiber bundle, SMA-Connector	6.530,00	7.353,56
RLCD-M66H-3W, <b>665+/-5 nm</b> , 3 W, multi mode, 400 µm fiber bundle, SMA-Connector	7.180,00	8.085,54
RLCD-M66H-5W, <b>665+/-5 nm</b> , 5 W, multi mode, 400 µm fiber bundle, SMA-Connector	o.r.	o.r.
RLT780M-1WFC, <b>785+/-5nm</b> , 1W, multi mode, 100µm fiber, TEC, FC/PC	798,00	898,64
RLT780M-1.5WFC, <b>785+/-5nm</b> , 1W, multi mode, 100µm fiber, TEC, FC/PC	838,00	943,69
RLT808M-1.5WFC, <b>808+/-5nm</b> , 1.5W, multi mode, 100µm fiber, FC/PC, TEC	770,00	867,11
RLT808M-3WFC, <b>808+/-5nm</b> , 3W, multi mode, 100µm fiber, FC/PC, TEC	1.015,00	1.143,01
RLT808M-8WFC, <b>808+/-5nm</b> , 8W, multi mode, 100µm fiber, SMA, TEC	1.312,50	1.478,03
RLT808M-10WFC, <b>808+/-5nm</b> , 10W, multi mode, 400µm fiber, SMA, TEC	1.400,00	1.576,57
RLCO-808-0500-F, <b>808+/-3 nm</b> , 0.5 W, multi mode, 50 um, NA 0.22, SMA connector	239,00	269,14
G081PU1600M, <b>808+/-5 nm</b> , 0.6 W, 50 um, NA 0.22, connector	425,00	478,60
G081PU1750M, <b>808+/-5 nm</b> , 0.75 W, 100 um, NA 0.22, connector	431,00	485,36
RLCO-808-1000-F, <b>808+/-3 nm</b> , 1 W, multi mode, 100 um, NA 0.22, SMA connector	265,00	298,42
G081PU11500M, <b>808+/-5 nm</b> , 1.5 W, 100 um, NA 0.22, connector	483,33	544,29
RLCO-808-2000-F, <b>808+/-3 nm</b> , 2 W, multi mode, 100 um, NA 0.22, SMA connector	499,00	561,93
RLCO-808-3000-F, <b>808+/-3 nm</b> , 3 W, multi mode, 200 um, NA 0.22, SMA connector	650,02	732,00
RLCO-808-4000-F, <b>808+/-3 nm</b> , 4 W, multi mode, 200 um, NA 0.22, SMA connector	865,88	975,08
RLCO-808-5000-F, <b>808+/-3 nm</b> , 5 W, multi mode, 200 um, NA 0.22, SMA connector	1.081,74	1.218,17
RLCD-A81H-2.5W, <b>808 nm</b> , 2.5 W, multi mode, 650 nm aiming beam, 200 µm fiber	1.065,68	1.200,08
RLCD-A81H-3W, <b>808 nm</b> , 3 W, multi mode, <b>650 nm aiming beam</b> , 200 µm fiber	1.098,16	1.236,66
RLCD-A81H-5W, <b>808 nm</b> , 5 W, multi mode, <b>650 nm aiming beam</b> , 200 µm fiber	1.268,30	1.428,26
RLCD-A81H-7W, <b>808 nm</b> , 7 W, multi mode, <b>650 nm aiming beam</b> , 200 µm fiber	1.546,71	1.741,78
G081PU25W, <b>808+/-5 nm</b> , 5 W, 400 um, NA 0.22, connector	1.166,67	1.313,81
G081PU210W, <b>808+/-5 nm</b> , 10 W, 400 um, NA 0.22, connector	1.866,67	2.102,09
G081PU312W, <b>808+/-5 nm</b> , 12 W, 700 um, NA 0.22, connector	3.333,33	3.753,73
G081PU314W, <b>808+/-5 nm</b> , 14 W, 700 um, NA 0.22, connector	2.478,00	2.790,53
G081PU325W, <b>808+/-5 nm</b> , 25 W, 700 um, NA 0.22, connector	4.166,67	4.692,17
RLCO-830-1000-F, <b>830+/-5 nm</b> , 1 W, multi mode, 50 um, NA 0.22, SMA connector	323,79	364,63
RLCO-830-1500-F, <b>830+/-5 nm</b> , 1.5 W, multi mode, 50 um, NA 0.22, SMA connector	650,02	732,00
SPL940-1.5W-105M-HHL, <b>940nm+/-10 nm</b> , 1.5 W, 105 µm fiber, HHL	821,74	925,38
RLT915-200SPM, <b>915+/-5nm</b> , 200mW, single mode, PM-fiber, TEC	1.350,00	1.520,26
RLT915M-1.5WFC, <b>915+/-5nm</b> , 1.5W, multi mode, 100µm fiber, FC/PC, TEC	798,00	898,64
RLT940-200SPM, <b>940+/-5nm</b> , 200mW, single mode, PM-fiber, TEC	1.630,00	1.835,58
RLT975M-3WFC, <b>975+/-5nm</b> , 3W, multi mode, 100µm fiber, FC/PC, TEC	1.121,00	1.262,38
RLT975M-10WFC, <b>975+/-5nm</b> , 10W, multi mode, 200µm fiber, SMA, TEC	1.354,00	1.524,77
RLT979-300SPM, <b>979+/-5nm</b> , 300mW, single mode, PM-fiber, TEC	1.640,00	1.846,84
RLCO-980-0500-F, <b>980+/-10 nm</b> , 0.5 W, multi mode, 100 um, NA 0.22, SMA connector	193,00	217,34
G098PU1600M, <b>980+/-5 nm</b> , 0.6 W, 50 um, NA 0.22, connector	381,00	429,05
G098PU1750M, <b>980+/-5 nm</b> , 0.75 W, 100 um, NA 0.22, connector	386,00	434,68
RLCO-980-1000-F, <b>980+/-10 nm</b> , 1 W, multi mode, 100 um, NA 0.22, SMA connector	232,00	261,26
G098PU11300M, <b>980+/-5 nm</b> , 1.3 W, 100 um, NA 0.22, connector	530,00	596,84
RLCO-980-2000-F, <b>980+/-10 nm</b> , 2 W, multi mode, 100 um, NA 0.22, SMA connector	365,00	411,03
RLCO-980-3000-F, <b>980+/-10 nm</b> , 3 W, multi mode, 200 um, NA 0.22, SMA connector	486,00	547,29
RLCO-980-4000-F, <b>980+/-10 nm</b> , 4 W, multi mode, 200 um, NA 0.22, SMA connector	665,00	748,87
RLCO-980-5000-F, <b>980+/-10 nm</b> , 5 W, multi mode, 200 um, NA 0.22, SMA connector	824,00	927,92
RLCD-A98H-3W, <b>980 nm</b> , 3 W, multi mode, <b>650 nm aiming beam</b> , 200 µm fiber	1.098,16	1.236,66
RLCD-A98H-5W, <b>980 nm</b> , 5 W, multi mode, <b>650 nm aiming beam</b> , 200 µm fiber	1.268,30	1.428,26
RLCD-A98H-7W, <b>980 nm</b> , 7 W, multi mode, <b>650 nm aiming beam</b> , 200 µm fiber	1.546,71	1.741,78
G098PU25W, <b>980+/-5 nm</b> , 5 W, 400 um, NA 0.22, connector	1.130,00	1.272,52
G098PU209W, <b>980+/-5 nm</b> , 9 W, 400 um, NA 0.22, connector	2.246,00	2.529,27
G098PU312W, <b>980+/-5 nm</b> , 12 W, 700 um, NA 0.22, connector	3.410,00	3.840,07

G098PU322W, <b>980+/-5 nm</b> , 22 W, 700 um, NA 0.22, connector	3.956,00	4.454,93
G131PU001S, <b>1310+/-30 nm</b> , sm fiber, 1 mW, tr/ts= 0.5 ns, TEC	345,00	388,51
G145PU0400m, <b>1450 nm +/-30 nm</b> , 400 mW, 100 um, NA 0.22, connector	not available	not available
G145PU23W, <b>1450 nm +/-30 nm</b> , 3 W, 400 um, NA 0.22, connector	2.035,00	2.291,65
G145PU38W, <b>1450 nm +/-30 nm</b> , 8 W, 600 um, NA 0.22, SMA-905	4.625,00	5.208,31
RLT1750-500HHL-F, <b>1750+/-15 nm</b> , 500 mW, mm fiber, 9-pin package	4.070,00	4.583,31
RLT1800-300HHL-F, <b>1800+/-15 nm</b> , 300 mW, mm fiber, 9-pin package	4.290,00	4.831,05

## LASER DIODES - SINGLE BARS

	EUR	USD
 high power single bar laser diodes - cw power: 20, 40 W - qcw power: 60, 100 W		
780 - 980 nm		
	1-3 pcs.	1-3 pcs.
AB081C20W, <b>780..830 nm</b> , 20W cw, 25 x 25 x 13 mm <sup>3</sup>	483,33	544,29
AB081C40W, <b>780..830 nm</b> , 40W cw, 25 x 25 x 13 mm <sup>3</sup>	846,67	953,45
AB081Q60W, <b>780..830 nm</b> , 60W qcw, 25 x 25 x 13 mm <sup>3</sup>	200,00	225,22
AB081Q100W, <b>780..830 nm</b> , 100W qcw, 25 x 25 x 13 mm <sup>3</sup>	333,33	375,37
AB098C20W, <b>920..980 nm</b> , 20W cw, 25 x 25 x 13 mm <sup>3</sup>	398,75	449,04
AB098C40W, <b>920..980 nm</b> , 40W cw, 25 x 25 x 13 mm <sup>3</sup>	698,50	786,59

## LASER DIODES - LINEAR ARRAYS

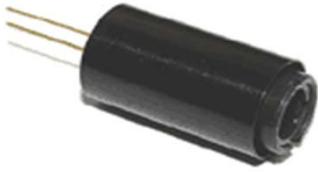
	EUR	USD
 high power linear array laser diodes - cw power: 60 - 280 W		
780 - 830 nm		
	1-3 pcs.	1-3 pcs.
AL081C60W, <b>780..830 nm</b> , 60 W cw, 57 x 12 x 15.5 mm <sup>3</sup>	1.215,00	1.368,24
AL081C100W, <b>780..830 nm</b> , 100 W cw, 57 x 12 x 15.5 mm <sup>3</sup>	2.025,00	2.280,39
AL081C120W, <b>780..830 nm</b> , 120 W cw, 57 x 12 x 15.5 mm <sup>3</sup>	2.430,00	2.736,47
AL081C140W, <b>780..830 nm</b> , 140 W cw, 57 x 12 x 15.5 mm <sup>3</sup>	2.835,00	3.192,55
AL081C200W, <b>780..830 nm</b> , 200 W cw, 57 x 12 x 15.5 mm <sup>3</sup>	4.050,00	4.560,79
AL081C280W, <b>780..830 nm</b> , 280 W cw, 57 x 12 x 15.5 mm <sup>3</sup>	5.670,00	6.385,10

## LASER DIODES - STACKED ARRAYS

	EUR	USD
 high power stacked array laser diodes - cw power: 60 - 480 W - qcw power: 300 - 1200 W		
780 - 980 nm		
	1-3 pcs.	1-3 pcs.
<b>CW:</b>		
AS081C60W, <b>780..830 nm</b> , 60 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	2.062,50	2.322,62
AS081C100W, <b>780..830 nm</b> , 100 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	3.066,25	3.452,97
AS081C120W, <b>780..830 nm</b> , 120 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	2.866,88	3.228,45
AS081C140W, <b>780..830 nm</b> , 140 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	4.122,25	4.642,15
AS081C200W, <b>780..830 nm</b> , 200 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	4.365,63	4.916,22
AS081C280W, <b>780..830 nm</b> , 280 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	5.500,00	6.193,66
AS081C320W, <b>780..830 nm</b> , 320 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	6.710,00	7.556,27
AS081C480W, <b>780..830 nm</b> , 480 W cw, 40 x 23.6 x 11 mm <sup>3</sup>	9.748,75	10.978,26
AS098C60W, <b>920..980 nm</b> , 60 W cw, 30 x 14 x 10 mm <sup>3</sup>	2.062,50	2.322,62
AS098C100W, <b>920..980 nm</b> , 100 W cw, 30 x 14 x 10 mm <sup>3</sup>	3.066,25	3.452,97
<b>QCW:</b>		

AS081Q300W, <b>780..830 nm</b> , 300 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS081Q600W, <b>780..830 nm</b> , 600 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS081Q1200W, <b>780..830 nm</b> , 1200 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS081Q3000W, <b>780..830 nm</b> , 3000 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS081Q5000W, <b>780..830 nm</b> , 5000 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS081Q15000W, <b>780..830 nm</b> , 15000 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS098Q300W, <b>920..980 nm</b> , 300 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS098Q600W, <b>920..980 nm</b> , 600 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.
AS098Q1200W, <b>920..980 nm</b> , 1200 W qcw, 30 x 14 x 10 mm <sup>3</sup>	o.r.	o.r.

## VCSELS

VCSEL RED 670 nm	EUR	USD
 <p>VCSEL (Vertical Cavity Surface Emitting Laser diode) red  670 nm</p>	1-9 pcs.	1-9 pcs.
VC670M-TO46FW-2, <b>670 nm</b> , 1.0 mW, 5 mA, mm, 20°, TO-46, flat window	19,00	24,04
VC670M-TO46FW-PD, <b>670 nm</b> , 1.0 mW, 4 mA, mm, 20°, TO-46, flat window, with PD ► PHASE OUT	19,00	21,40
VC670M-3CEP, <b>670 nm</b> , 1.0 mW, 4 mA, mm, 15°, 3 mm ceramic with epoxy lens ► PHASE OUT	14,90	16,78
VCSEL IR 780 nm, 850 nm, 980 nm	EUR	USD
 <p>VCSEL (Vertical Cavity Surface Emitting Laser diode) infrared power up to 20 mW cw  850 and 980 nm</p>	1-9 pcs.	1-9 pcs.
VC850S-SMD, <b>850 nm</b> , 0.5 mW, 3.5 mA, sm, 8°, SMD 0603	16,20	18,24
VC850M-SMD, <b>850 nm</b> , 0.5 mW, 4 mA, mm, 6°, SMD 0603	19,45	21,90
VC850M-TO46GL, <b>850 nm</b> , 2 mW, 6 mA, mm, 5°, TO-46, glass lens	6,50	7,32
VC850M-H-TO46GL, <b>850 nm</b> , 10 mW, 20 mA, mm, 2°, TO-46, glass lens	15,42	17,36
VC850M-H-TO46FW, <b>850 nm</b> , 8 mW, 20 mA, mm, TO-46, flat window, >1.25Gbps	15,42	17,36
VC850M-H-TO46FW-PD, <b>850 nm</b> , 10 mW, 20 mA, mm, TO-46, flat window, with PD	26,50	29,84
VC850M-H2-TO46FW, <b>850 nm</b> , 20 mW, 50 mA, mm, TO-46, flat window	28,00	31,53
VC980M-TO46FW, <b>980 nm</b> , 1.5 mW, 6 mA, mm, 20°, TO-46, flat window	10,86	12,22
VCSEL IR MODULE 780 nm, 850 nm, 980 nm	EUR	USD
 <p>infrared VCSEL in anodized aluminium header with adjustable 3-lens glass collimator</p>	1-9 pcs.	1-9 pcs.
VC850M-MODULE, <b>850 nm</b> , max. 5 mW, 20 mA, mm, 10x18 mm	51,80	58,33
VC980M-MODULE, <b>980 nm</b> , max. 0.75 mW, 6 mA, mm, 10x18 mm	51,80	58,33

## QUANTUM OPTICS DEVICES

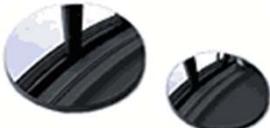
Time Tagging Module	EUR	USD
 <p>8 channel Time to Digital Converter            - 8 channels continuous - resolution 82ps            - 2 channels start-stop - resolution 10ps            - continuous / multi stop / single stop            - GB-LAN (up to 25m events/s)            - variable threshold voltage            - software for Linux &amp; Windows  <b>- developed &amp; manufactured in Austria</b></p>	1-3 pcs.	1-3 pcs.
TTM8000, up to 8 channels with resolution 82ps, GB-LAN, incl.software, 160x110x45 mm	7.600,00	8.558,51
Single Photon Detection Module	EUR	USD

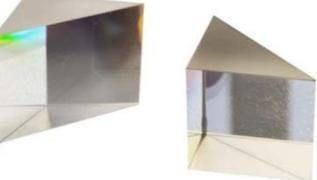
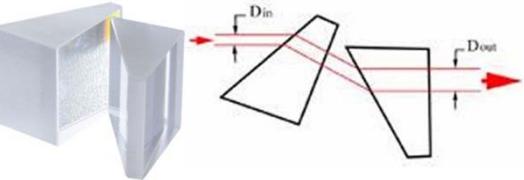
	<b>300 ps Single Photon Counting Module</b> <ul style="list-style-type: none"> <li>- less than 20 dark counts/s</li> <li>- 300 ns dead time</li> <li>- Low jitter, low dark rates</li> <li>- digital output pulse (0,4V) at SMA connector</li> <li>- Single 5 VDC supply voltage</li> <li>- <b>developed &amp; manufactured in Austria</b></li> <li>- compatible with many different mounts</li> </ul>		
QD800c-fQ-500, <500 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC	4.600,00	5.180,15	
QD800c-fQ-50, <50 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC	5.700,00	6.418,88	
QD800c-fQ-20, <20 dark counts/s, 300ps res., 300ns dead time, 400-1000nm, 5 VDC	7.500,00	8.445,90	
ADAPT-C-SM1, lens holder adapter plate with SM1 thread	89,60	100,90	
ADAPT-C-SM05, lens holder adapter plate with SM5 thread	89,60	100,90	
ADAPT-C-SM05-P, lens holder adapter plate with SM5 thread	89,60	100,90	
ADAPT-C-RMS, lens holder adapter plate with RMS thread	89,60	100,90	
ADAPT-C-MOUNT, Lens holder adapter plate with C-Mount thread	89,60	100,90	
ADAPT-C-FC, adapter plate with FC/PC fiber adapter	537,60	605,40	
ADAPT-C-FC-FLT, adapter plate with FC/PC fiber adapter and filter holder	627,20	706,30	
HS12, heat sink 12 mm	89,60	100,90	
HS25, heat sink 25 mm	95,20	107,21	
HS25-FAN, heat sink 25 mm with fan	168,00	189,19	
Power supply, 90-264VAC	67,20	75,68	
<b>Software</b>	<b>EUR</b>	<b>USD</b>	
 <ul style="list-style-type: none"> <li>- Simulates photon-pair generation in seven different crystals (including ppKTP and ppLN)</li> <li>- Gaussian and sech<sup>2</sup> pulses as well as customised laser spectrum</li> <li>- Gaussian and rectangular bandpass filtering</li> <li>- Phase-matching conditions, poling periodicity, temperature tuning</li> <li>- Refractive indices, group delay and temporal walk-off</li> </ul>	1-3 pcs.	1-3 pcs.	
QPMoptics, tool to simulate and optimise your experiments, USB License dongle, Win 64-bit	980,00	1.103,60	

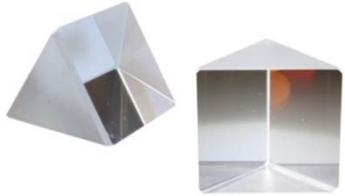
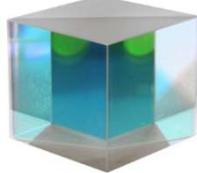
## OPTICAL COMPONENTS FOR LASER DIODES

LASER DIODE COLLIMATORS - MOLDED PLASTIC	EUR	USD
laser diode collimating lenses made of PMMA available with and without anti reflective coating		
	1-99 pcs.	1-99 pcs.
GS-7020-2C, 7 x 3.3 mm, f = 8 mm, ARC, laser diode collimator	1,81	2,04
GS-7021-2C, 5 x 2.3 mm, f = 6 mm, ARC, laser diode collimator	1,81	2,04
CAY046, 7.4 x 3.05 mm, f = 4.6 mm, NA = 0.40, AR coated, laser diode collimator	4,96	5,59
CAY046NC, 7.4 x 3.05 mm, f = 4.6 mm, NA = 0.40, uncoated, laser diode collimator	3,89	4,38
CAW100NC, 5.20 x 2.44 mm, f = 10.0 mm, NA = 0.20, uncoated, laser diode collimator	4,36	4,91
LENS-05A, 7 x 2.8 mm, f = 8 mm, laser diode collimator ► <b>PHASE OUT</b>	4,76	5,36
LC3, 3 x 2.4 mm, f = 4.5 mm, PMMA, laser diode collimator, uncoated	1,90	2,14
LC5, 5 x 2.3 mm, f = 6.5 mm, PMMA, laser diode collimator, uncoated	1,12	1,26
LC7, 7 x 3.15 mm, f = 7.8 mm, PMMA, laser diode collimator, uncoated	1,12	1,26
LC12, 7 x 3.15 mm, f = 12.5 mm, PMMA, laser diode collimator, uncoated	1,12	1,26
LASER DIODE COLLIMATORS - GLASS	EUR	USD
glass laser diode collimating lenses M9x0.5 threaded housing 1&3 glass lens design ARC for blue, green, red, and IR laser diodes available focal lengths 4 - 11 mm		
	1-49 pcs.	1-49 pcs.
VIOLET, BLUE		
RGL-402-9C, <b>glass lens</b> , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	11,94

RGL-550-9Bs, <b>glass lens</b> , M9x0.5, f=5.5 mm, NA=0.25, ARC 405-450 nm	10,60	11,94
RGL-550-9B, <b>glass lens</b> , M9x0.5, f=5.5 mm, NA=0.45, ARC 405-450 nm	10,60	11,94
GS-8020B, <b>3 glass lens</b> , M9x0.5, f=8 mm, NA=0.3, ARC 400-450 nm, o-ring sealing	9,80	11,04
RGL-830-9B, <b>glass lens</b> , M9x0.5, f=8.3 mm, NA=0.30, ARC 405-450 nm	10,60	11,94
LCB-3G, <b>3 glass lens</b> , M9x0.5, f = 9.5 mm, NA=0.26, ARC 400-450 nm	13,40	15,09
RGL-110-9B, <b>glass lens</b> , M9x0.5, f=11.0 mm, NA=0.45, ARC 405-450 nm	10,60	11,94
<b>GREEN</b>		
RGL-402-9C, <b>glass lens</b> , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	11,94
RGL-550-9G, <b>glass lens</b> , M9x0.5, f=5.5 mm, NA=0.45, ARC 515-535 nm	10,60	11,94
<b>RED</b>		
RGL-402-9C, <b>glass lens</b> , M9x0.5, f=4.0 mm, NA=0.6, ARC 400-700 nm	10,60	11,94
RGL-550-9Rs, <b>glass lens</b> , M9x0.5, f=5.5 mm, NA=0.25, ARC 630-670 nm	10,60	11,94
RGL-550-9R, <b>glass lens</b> , M9x0.5, f=5.5 mm, NA=0.45, ARC 630-670 nm	10,60	11,94
GS-8020A, <b>3 glass lens</b> , M9x0.5, f=8.0 mm, NA=0.3, ARC 630-670 nm, o-ring sealing	9,80	11,04
RLC-103AF, <b>3 glass lens</b> , M9x0.5, f = 8.0 mm, NA=0.3, ARC 630-670 nm	9,50	10,70
RGL-830-9R, <b>glass lens</b> , M9x0.5, f=8.3 mm, NA=0.30, ARC 630-670 nm	10,60	11,94
LENS-15, <b>single glass lens</b> , 5 x 1.5 mm, f=9.0 mm, NA=0.11, ARC 630-670 nm	6,80	7,66
MPG-95, <b>3 glass lens</b> , M9x0.5, f = 9.5 mm, NA=0.29, ARC 630-670 nm	13,20	14,86
MPG-11, <b>3 glass lens</b> , M9x0.5, f = 11.0 mm, NA=0.26, ARC 630-670 nm	13,20	14,86
RGL-110-9R, <b>glass lens</b> , M9x0.5, f=11.0 mm, NA=0.45, ARC 630-670 nm	10,60	11,94
<b>IR</b>		
RGL-820-9IR, <b>glass lens</b> , M9x0.5, f=8.2 mm, NA=0.29, ARC 630-670 nm	12,80	14,41
RLY-134G, <b>3 glass lens</b> , M9x0.5, f = 8.2 mm, NA=0.29, ARC 630-780 nm	12,80	14,41
<b>LASER DIODE COLLIMATORS ACHROMATIC DOUBLET LENS - GLASS</b>	<b>EUR</b>	<b>USD</b>
	achromatic doublet lenses for limiting chromatic and spherical aberration best suited for laser diode collimation	
		1-49 pcs.
DBS-05, <b>glass doublet</b> , 5.2 x 3 mm, f = 11 mm, NA=0.11, ARC	13,40	15,09
DBS-07, <b>glass doublet</b> , 6.5 x 3.6 mm, f = 15 mm, NA=0.18, ARC	14,10	15,88
DBS-14, <b>glass doublet</b> , 14 x 6.9 mm, f = 45 mm, NA=0.13, ARC	19,85	22,35
<b>INFRARED FRESNEL LENSES FOR THERMAL APPLICATIONS</b>	<b>EUR</b>	<b>USD</b>
	fresnel lenses for general MID-IR to FAR-IR applications, transmission range: typ. 1 - 30 µm typical applications: thermopile detector, PIR detector, CO2 laser sensor, ...	
		1-99 pcs.
FRES-MIR-12-A, size 12 x 0.6 mm, f=8 mm, white PE material	2,40	2,70
FRES-MIR-20-A, size 20 x 0.6 mm, f=20 mm, white PE material	2,56	2,88
FRES-MIR-12-B, size 12 x 0.6 mm, f=8 mm, dark PE material	2,40	2,70
FRES-MIR-20-B, size 20 x 0.6 mm, f=20 mm, dark PE material	2,56	2,88
<b>SILICON LENSES FOR MID-IR and FAR-IR APPLICATIONS</b>	<b>EUR</b>	<b>USD</b>
	silicon lenses for general MID-IR to FAR-IR thermal applications, transmission range: typ. 1.2 - 9 µm and 30 - 100 µm	
		1-10 pcs.
MIR-SI-25-25, silicon plano convex lens, diameter: 25 mm, focus length: 25 mm, ct: 2.5 mm	99,00	111,49
MIR-SI-35-55, silicon plano convex lens, diameter: 35 mm, focus length: 55 mm, ct: 3.5 mm	121,00	136,26
<b>GERMANIUM LENSES FOR MID-IR and FAR-IR APPLICATIONS</b>	<b>EUR</b>	<b>USD</b>

	germanium lenses for general MID-IR to FAR-IR thermal applications, transmission range: typ. 2 - 17 µm		
MIR-GE-25-25, germanium plano convex lens, diameter: 25 mm, FL: 25 mm, ct: 2.6 mm	143,00	161,04	1-10 pcs.
MIR-GE-35-55, germanium plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 3.5 mm	187,00	210,58	1-10 pcs.
<b>ZINC SELENIDE LENSES FOR MID-IR and THERMAL APPLICATIONS</b>	<b>EUR</b>	<b>USD</b>	
	zinc selenide lenses for IR detectors, CO <sub>2</sub> laser focusing and general MID-IR to FAR-IR thermal applications, transmission range: typ. 600 nm - 16 µm		
			1-10 pcs.
MIR-ZN-25-50, ZnSe plano convex lens, diameter: 25.4 mm, FL: 50.8 mm, ct: 2.5 mm	144,00	162,16	1-10 pcs.
MIR-ZN-25-157, ZnSe plano convex lens, diameter: 25.4 mm, FL: 157 mm, ct: 2.5 mm	144,00	162,16	1-10 pcs.
MIR-ZN-25-50-M, ZnSe meniscus lens, AR/AR 10.6um, dia. 25.4mm, FL 50.8mm, ct 2.5 mm	180,00	202,70	1-10 pcs.
<b>CALCIUM FLUORIDE LENSES FOR UV TO MID-IR APPLICATIONS</b>	<b>EUR</b>	<b>USD</b>	
	calcium fluoride lenses (CaF <sub>2</sub> ) are broadband lenses from UV to MID-IR spectral range with a flat transmission range from typ. 150 nm - 9 µm		
			1-10 pcs.
UVIR-CAF2-25-25, CaF <sub>2</sub> bi convex lens, diameter: 25 mm, FL: 25 mm, ct: 11.0 mm	121,00	136,26	1-10 pcs.
UVIR-CAF2-35-55, CaF <sub>2</sub> plano convex lens, diameter: 35 mm, FL: 55 mm, ct: 10.0 mm	143,00	161,04	1-10 pcs.
<b>CYLINDER LENSES - GLASS</b>	<b>EUR</b>	<b>USD</b>	
	glass cylinder lenses for line generation		
			1-49 pcs.
CL2.0x5.0, <b>cylinder lens</b> , diameter 2.0 mm, length 5.0 mm, BK-7 glass	3,50	3,94	1-49 pcs.
CL2.5x5.5, <b>cylinder lens</b> , diameter 2.5 mm, length 5.5 mm, BK-7 glass	3,50	3,94	1-49 pcs.
CL4.0x6.0, <b>cylinder lens</b> , diameter 4.0 mm, length 6.0 mm, BK-7 glass	3,50	3,94	1-49 pcs.
CL5.0x8.0, <b>cylinder lens</b> , diameter 5.0 mm, length 8.0 mm, +/-25°, K9 glass	3,50	3,94	1-49 pcs.
CL7.0x10.0, <b>cylinder lens</b> , diameter 7.0 mm, length 10.0 mm, +/-15°, BK-7 glass	3,50	3,94	1-49 pcs.
CL7.0x15.0, <b>cylinder lens</b> , diameter 7.0 mm, length 15.0 mm, +/-15°, K9 glass, SD 40/20	7,40	8,33	1-49 pcs.
HCL8.2x3.4, <b>half-cylinder lens</b> , 8.2x3.4 mm, +/-8°, BK-7 glass	o.r.	o.r.	1-49 pcs.
HCL10.0x2.0, <b>half-cylinder lens</b> , 10.0x2.0 mm, +/-1.5°, BK-7 glass	4,30	4,84	1-49 pcs.
HCL10.0x7.0x3.7, <b>half-cylinder lens</b> , 10.0x7.0x3.7 mm, +/-12°, BK-7 glass	4,30	4,84	1-49 pcs.
<b>POWELL LASER LINE GENERATORS - GLASS</b>	<b>EUR</b>	<b>USD</b>	
	patented Powell line generating lens offers very even intensity distribution over the complete lenght of the projected line		
			1-9 pcs.
PL532-1-10, 10° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.
PL650-3-10, 10° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.
PL650-5-10, 10° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.
PL532-1-15, 15° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.
PL650-3-15, 15° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.
PL650-5-15, 15° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.
PLLG-30, <b>30°-line</b> , beam Ø 1mm, wavelength 650nm, Ø 9 x 9 mm ► PHASE OUT	59,00	66,44	1-9 pcs.
PL532-1-30, 30° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	71,10	80,07	1-9 pcs.

PL650-3-30, 30° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	71,10	80,07	
PL650-5-30, 30° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	71,10	80,07	
PL532-1-45, 45° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	72,18	
PL650-3-45, 45° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	72,18	
PL650-5-45, 45° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	72,18	
PL532-1-60, 60° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	72,18	
PL650-3-60, 60° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	72,18	
PL650-5-60, 60° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	72,18	
PL532-1-90, 90° line, beam Ø 1mm, wavelength 532nm, Ø 9 x 8 mm	64,10	72,18	
PL650-3-90, 90° line, beam Ø 3mm, wavelength 650nm, Ø 9 x 8 mm	64,10	72,18	
PL650-5-90, 90° line, beam Ø 5mm, wavelength 650nm, Ø 9 x 8 mm	64,10	72,18	
<b>LINE &amp; CROSS LINE GENERATORS - MOLDED PLASTIC</b>	<b>EUR</b>	<b>USD</b>	
	molded plastic line generatoris and cross line generators	1-99 pcs.	1-99 pcs.
LG-35, 8 x 2 mm, 35°-lineoptik, PMMA	2,65	2,98	
LG-58, 8 x 2 mm, 58°-lineoptik, PMMA	2,65	2,98	
LG-90, 8 x 2 mm, 90°-lineoptik, PMMA	2,65	2,98	
CG-58, 8 x 2 mm, 2 x 58°-cross-lineoptik, PMMA	2,98	3,36	
<b>RETROREFLECTORS</b>	<b>EUR</b>	<b>USD</b>	
	trihedral prisms or corner cubes do reflect a laser beam by 180° back to ist origin through total internal reflection	1-99 pcs.	1-99 pcs.
CCUBE-13-K9, 12,7 x 9,5 mm, 60/40 SD, flatness λ/10, uncoated, H-K9L	48,00	54,05	
CCUBE-13-BK7, 12,7 x 9,5 mm, S/D 60/40, flatness λ/10, uncoated, BK7	70,00	78,83	
CCUBE-25-K9, 25,4 x 19 mm, S/D 60/40, flatness λ/10, uncoated, H-K9L	48,00	54,05	
CCUBE-25-BK7, 25,4 x 19 mm, S/D 60/40, flatness λ/10, uncoated, BK7	79,90	89,98	
<b>PRISMS</b>	<b>EUR</b>	<b>USD</b>	
	prisms can be used to deviate a laser beam by 90° or 180° depending on which side is used for the input beam	1-99 pcs.	1-99 pcs.
RA-PRISM-10-K9, Right Angle Prism, 10x10x10mm, λ/10, uncoated, H-K9L	16,00	18,02	
RA-PRISM-10-BK7, Right Angle Prism, 10x10x10mm, λ/10, uncoated, BK7	17,50	19,71	
RA-PRISM-20-K9, Right Angle Prism, 20x20x20mm, λ/10, uncoated, H-K9L	24,50	27,59	
RA-PRISM-20-BK7, Right Angle Prism, 20x20x20mm, λ/10, uncoated, BK7	28,50	32,09	
RA-PRISM-25-K9, Right Angle Prism, 25x25x25mm, λ/10, uncoated, H-K9L	29,10	32,77	
RA-PRISM-25-BK7, Right Angle Prism, 25x25x25mm, λ/10, uncoated, BK7	33,10	37,27	
<b>ANAMORPHIC PRISMS</b>	<b>EUR</b>	<b>USD</b>	
	anamorphic prism pairs are used to convert an elliptic laser diode beam to near round beam profile	1-99 pcs.	1-99 pcs.
AN-PRISM-12-SF11, Anamorphic Prism, 12x12x8.5mm, λ/10, uncoated, SF11	44,00	49,55	
<b>EQUILATERAL PRISMS</b>	<b>EUR</b>	<b>USD</b>	

	equilateral or dispersion prisms have three equal 60° angles, and are used for spectral dispersion of light		
		1-99 pcs.	1-99 pcs.
EL-PRISM-25-K9, Equilateral Prism, 25.4mm, λ/10, uncoated, H-K9L	45,00	50,68	
EL-PRISM-25-BK7, Equilateral Prism, 25.4mm, λ/10, uncoated, BK7	52,50	59,12	
<b>PENTA PRISMS</b>	<b>EUR</b>	<b>USD</b>	
	penta prism deviates the input beam through 90°, but does not invert the image in the process		
		1-99 pcs.	1-99 pcs.
PT-PRISM-10-K9, Penta Prism, 10x10mm, λ/10, AL coating, H-K9L	69,60	78,38	
PT-PRISM-10-BK7, Penta Prism, 10x10mm, λ/10, AL coating, BK7	42,00	47,30	
PT-PRISM-25-BK7, Penta Prism, 25.4x25.4mm, λ/10, AL coating, BK7	84,00	94,59	
<b>POLARIZING BEAMSPLITTER CUBES</b>	<b>EUR</b>	<b>USD</b>	
	beamsplitter splits randomly polarized light into two linear polarized beams		
		1-99 pcs.	1-99 pcs.
PBS-05-BK7, Pol. Beamsplitter Cube, 5x5x5mm, λ/4, coating 450-650nm, BK7	110,00	123,87	
PBS-10-ZF1, Pol. Beamsplitter Cube, 10x10x10mm, λ/4, coating 450-650nm, ZF1	92,00	103,60	
PBS-10-BK7, Pol. Beamsplitter Cube, 10x10x10mm, λ/4, coating 450-650nm, BK7	117,50	132,32	
PBS-20-ZF1, Pol. Beamsplitter Cube, 20x20x20mm, λ/4, coating 450-650nm, ZF1	98,60	111,04	
PBS-20-BK7, Pol. Beamsplitter Cube, 20x20x20mm, λ/4, coating 450-650nm, BK7	133,20	150,00	
<b>WINDOWS</b>	<b>EUR</b>	<b>USD</b>	
	BK7 and H-K9L high precision uncoated windows for broad wavelength range of 350 nm to 2 μm excellent transmission in the visible and IR range		
		1-99 pcs.	1-99 pcs.
WIN-10-K9, Window, Ø 10 x 3 mm, uncoated, H-K9L glass	9,50	10,70	
WIN-10-BK7, Window, Ø 10 x 3 mm, uncoated, BK7 glass	9,50	10,70	
WIN-13-K9, Window, Ø 12.7 x 3 mm, uncoated, H-K9L glass	9,50	10,70	
WIN-13-BK7, Window, Ø 12.7 x 3 mm, uncoated, BK7 glass	9,50	10,70	
WIN-15-K9, Window, Ø 15 x 3 mm, uncoated, H-K9L glass	10,50	11,82	
WIN-15-BK7, Window, Ø 15 x 3 mm, uncoated, BK7 glass	10,50	11,82	
WIN-20-K9, Window, Ø 20 x 3 mm, uncoated, H-K9L glass	13,50	15,20	
WIN-20-BK7, Window, Ø 20 x 3 mm, uncoated, BK7 glass	13,50	15,20	
WIN-25-K9, Window, Ø 25.4 x 3 mm, uncoated, H-K9L glass	18,00	20,27	
WIN-25-BK7, Window, Ø 25.4 x 3 mm, uncoated, BK7 glass	18,00	20,27	
WIN-30-K9, Window, Ø 30 x 3 mm, uncoated, H-K9L glass	19,00	21,40	
WIN-30-BK7, Window, Ø 30 x 3 mm, uncoated, BK7 glass	19,00	21,40	
WIN-50-K9, Window, Ø 50.8 x 3 mm, uncoated, H-K9L glass	25,50	28,72	
WIN-50-BK7, Window, Ø 50.8 x 3 mm, uncoated, BK7 glass	25,50	28,72	
<b>METAL COATED MIRRORS</b>	<b>EUR</b>	<b>USD</b>	
	metal coated mirrors are ideally suited for reflecting light over a broad range of wavelengths		
		1-99 pcs.	1-99 pcs.

MIR-AL-25K9, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AL+SiO2, R <sub>AVS</sub> > 87%, H-K9L	36,50	41,10
MIR-AL-25BK, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AL+SiO2, R <sub>AVS</sub> > 87%, BK7	37,50	42,23
MIR-AG-25K9, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AG+SiO2, R <sub>AVS</sub> > 95%, H-K9L	38,50	43,36
MIR-AG-25BK, Mirror, Ø 25.4 x 3 mm, λ/10, coating: AG+SiO2, R <sub>AVS</sub> > 95%, BK7	39,50	44,48
<b>CONE MIRRORS</b>	<b>EUR</b>	<b>USD</b>
	cone mirrors are used to reflect a laser beam by 90° and spread its light in an angle of 360°	
	1-99 pcs.	1-99 pcs.
CMIR-AL-70, Cone Mirror, Ø 7.0 x 3.0 (6.0) mm, λ/10, Aluminum	29,80	33,56
<b>BALL LENSES</b>	<b>EUR</b>	<b>USD</b>
	Half ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ... S/D 40/20 Ovality <0,003	
	1-99 pcs.	1-99 pcs.
HBL-01, Half ball lens, Ø 1 mm, uncoated, H-K9L glass	11,90	13,40
HBL-02, Half ball lens, Ø 2 mm, uncoated, H-K9L glass	9,20	10,36
HBL-03, Half ball lens, Ø 3 mm, uncoated, H-K9L glass	9,20	10,36
HBL-04, Half ball lens, Ø 4 mm, uncoated, H-K9L glass	9,20	10,36
HBL-05, Half ball lens, Ø 5 mm, uncoated, H-K9L glass	9,20	10,36
HBL-06, Half ball lens, Ø 6 mm, uncoated, H-K9L glass	12,80	14,41
HBL-08, Half ball lens, Ø 8 mm, uncoated, H-K9L glass	12,80	14,41
HBL-10, Half ball lens, Ø 10 mm, uncoated, H-K9L glass	14,20	15,99
HBL-15, Half ball lens, Ø 15 mm, uncoated, H-K9L glass	17,50	19,71
HBL-18, Half ball lens, Ø 18 mm, uncoated, H-K9L glass	29,10	32,77
HBL-25, Half ball lens, Ø 25 mm, uncoated, H-K9L glass	33,60	37,84
HBL-38, Half ball lens, Ø 38 mm, uncoated, H-K9L glass	41,90	47,18
<b>BALL LENSES</b>	<b>EUR</b>	<b>USD</b>
	ball lenses with high refraction index for shortest focal length ideally suited for fiber coupling application, endoscopy, ... S/D 40/20 Ovality <0,003	
	1-99 pcs.	1-99 pcs.
BL-01, Ball Lens, Ø 1 mm, uncoated, H-K9L glass	9,90	11,15
BL-02, Ball Lens, Ø 2 mm, uncoated, H-K9L glass	8,20	9,23
BL-03, Ball Lens, Ø 3 mm, uncoated, H-K9L glass	8,20	9,23
BL-04, Ball Lens, Ø 4 mm, uncoated, H-K9L glass	8,20	9,23
BL-05, Ball Lens, Ø 5 mm, uncoated, H-K9L glass	8,20	9,23
BL-06, Ball Lens, Ø 6 mm, uncoated, H-K9L glass	11,80	13,29
BL-08, Ball Lens, Ø 8 mm, uncoated, H-K9L glass	9,30	10,47
BL-10, Ball Lens, Ø 10 mm, uncoated, H-K9L glass	13,10	14,75
BL-15, Ball Lens, Ø 15 mm, uncoated, H-K9L glass	15,50	17,45
BL-18, Ball Lens, Ø 18 mm, uncoated, H-K9L glass	57,90	65,20
BL-25, Ball Lens, Ø 25 mm, uncoated, H-K9L glass	62,40	70,27
BL-38, Ball Lens, Ø 38 mm, uncoated, H-K9L glass	68,70	77,36
<b>FIBER OPTIC COLLIMATOR LENSES</b>	<b>EUR</b>	<b>USD</b>
	Collimate light exiting a fiber to a selected spot size. The lenses are broadband coated, but can be also offered with customized antireflection coating. The units are available with FC/PC or SMA connector.  focal lengths 4 - 40 mm, spot size 1.1 - 11 mm	
	1-10 pcs.	1-10 pcs.
FOC-A4F30-FC, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, FC connector	192,69	216,99
FOC-A4F30-SMA, f = 4 mm, 3 mrad, spot Ø1.1 mm, Ø18 x 29 mm, SMA connector	192,69	216,99

FOC-C10F12-FC, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, FC connector	207,03	233,14
FOC-C10F12-SMA, f = 10 mm, 1.2 mrad, spot Ø2.75 mm, Ø18 x 30.4 mm, SMA connector	207,03	233,14
FOC-C15F10-FC, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, FC connector	207,03	233,14
FOC-C15F10-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, Ø18 x 30.4 mm, SMA connector	207,03	233,14
FOC-C15F10Q-FC, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, FC connector	221,36	249,28
FOC-C15F10Q-SMA, f = 15 mm, 1 mrad, spot Ø4 mm, quartz lens, Ø18 x 30.4 mm, SMA conn.	221,36	249,28
FOC-B18F07-FC, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, FC connector	192,69	216,99
FOC-B18F07-SMA, f = 18 mm, 0.7 mrad, spot Ø5 mm, Ø18 x 34 mm, SMA connector	192,69	216,99
FOC-C20F10-FC, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, FC connector	207,03	233,14
FOC-C20F10-SMA, f = 20 mm, 1 mrad, spot Ø5.5 mm, Ø18 x 30.4 mm, SMA connector	207,03	233,14
FOC-C20F05D-FC, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, FC conn.	221,36	249,28
FOC-C20F05D-SMA, f = 20 mm, 0.5 mrad, spot Ø5.5 mm, double lens, Ø18 x 30.4 mm, SMA	221,36	249,28
FOC-D30F07-FC, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, FC connector	235,69	265,42
FOC-D30F07-SMA, f = 30 mm, 0.7 mrad, spot Ø8.2 mm, Ø25.4 x 56.1 mm, SMA connector	235,69	265,42
FOC-D40F07-FC, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, FC connector	235,69	265,42
FOC-D40F07-SMA, f = 40 mm, 0.7 mrad, spot Ø11 mm, Ø25.4 x 56.1 mm, SMA connector	235,69	265,42
FOC-D40F08D-FC, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, FC conn.	251,62	283,35
FOC-D40F08D-SMA, f = 40 mm, 0.8 mrad, spot Ø11 mm, double lens, Ø25.4 x 56.1 mm, SMA	251,62	283,35
FOC-D40F02Q-FC, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, FC conn.	251,62	283,35
FOC-D40F02Q-SMA, f = 40 mm, 0.2 mrad, spot Ø11 mm, quartz lens, Ø25.4 x 56.1 mm, SMA	251,62	283,35

#### DIFFRACTIVE PATTERN GENERATORS



diffractive pattern generators made from ruled  
PMMA sheets  
standard figures: line, circle, cross line  
special patterns available on request

EUR USD

1-99 pcs. 1-99 pcs.

DPG11, circle, angle 3°, acrylic die, 7 x 1 mm	1,10	1,23
DPG12, line, angle 6°, acrylic die, 7 x 1 mm	1,10	1,23
DPG18, cross line, angle 8.8°, acrylic die, 7 x 1 mm	1,10	1,23

## ACCESSORIES FOR LASER DIODES

#### MOUNTING TUBES FOR LASER DIODES AND OPTICS



Complete Laser Diode Assembly  
- precise **CNC tooling**  
- for **3.8, 5.6 & 9.0mm** TO-Can laser diodes  
- compact size  
- **focussable acryl lens**, uncoated  
- **threaded latching**, no glue required

1-99 pcs. 1-99 pcs.

LDA-38, 3.8 mm laser diode assembly with focussable acryl lens f=6.5mm, 6.5x11 mm, brass	18,10	20,38
LDA-56, 5.6 mm laser diode assembly with focussable acryl lens f=6.5mm, 11x13 mm, brass	19,20	21,62
LDA-90, 9.0 mm laser diode assembly with focussable acryl lens f=6.5mm, 11x14 mm, brass	19,20	21,62



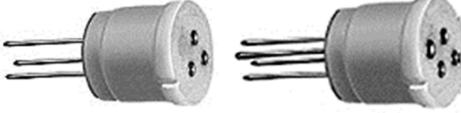
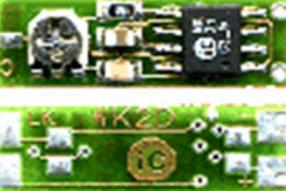
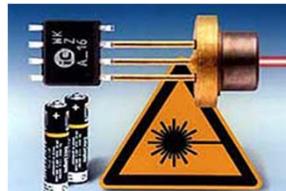
laser diode optic mounting tubes  
used for mounting laser diodes with 5.6 mm or 9  
mm packges and diverse collimating optics with  
standard thread M9 x 0.5 mm  
aluminium, black anodized

1-99 pcs. 1-99 pcs.

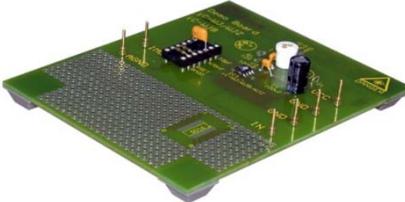
LDMT-56-10, 5.6 mm LD mounting tube, 10x18 mm, thread M9 x 0.5	14,29	16,09
LDMT-56-10-LT, 5.6 mm LD mounting tube, 10x18 mm, long thread M9 x 0.5	14,29	16,09
LDMT-90-10, 9.0 mm LD mounting tube, 10x18 mm, thread M9 x 0.5	14,29	16,09
LDMT-90-10-LT, 9.0 mm LD mounting tube, 10x18 mm, long thread M9 x 0.5	14,29	16,09
LDMT-90-11, 9.0 mm LD mounting tube, 11x18 mm, thread M9 x 0.5	14,29	16,09

#### SOCKETS FOR LASER DIODES

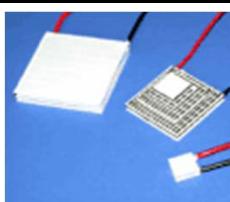
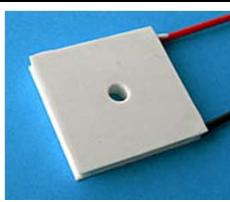
EUR USD

	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	4,96	5,59	
LDS-T-4, laser diode socket 4-pin version, teflon, gold plated, superior quality	5,62	6,33	
<h2>DRIVERS FOR LASER DIODES</h2>			
<b>LASER DIODE DRIVER BOARDS (PCB)</b>	<b>EUR</b>	<b>USD</b>	
	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		
	1-49 pcs.	1-49 pcs.	
<b>N-type (common LD+ and PD-)</b>			
iC-WK2D, 6.5 x 20 mm <sup>2</sup> , PCB-board, N-type, CAC	9,53	10,73	
iC-WKL2D, 6.5 x 20 mm <sup>2</sup> , PCB-board, N-type, CAC	10,79	12,15	
EU-37, 10.5 x 18 mm <sup>2</sup> , APC, 4.5-6 VDC, slow start, max 200 mA	9,54	10,74	
EU-39, 9 x 16 mm <sup>2</sup> , APC, 3 VDC, max 300 mA, external PD	9,54	10,74	
EU-38-PD, 35 x 14 mm <sup>2</sup> , auto power control, LD current max. 1 A	24,00	27,03	
EU-41, 10.5 x 18 mm <sup>2</sup> , APC, 3 VDC, 400mA for <b>BLUE</b> and <b>GREEN LD</b> <b>NEW</b>	12,90	14,53	
EU-42, 10.5 x 11.3 mm <sup>2</sup> , APC, modulable up to 300Khz	9,54	10,74	
<b>M-type (common LD- and PD-)</b>			
iC-WK1D, 6.5 x 20 mm <sup>2</sup> , PCB-board, M-type, CCA	9,53	10,73	
iC-WKL1D, 6.5 x 20 mm <sup>2</sup> , PCB-board, M-type, CCA	10,79	12,15	
EU-38-PD, 35 x 14 mm <sup>2</sup> , auto power control, LD current max. 1 A	24,00	27,03	
<b>P-type (common LD- and PD+)</b>			
iC-WK1D, 6.5 x 20 mm <sup>2</sup> , PCB-board, P-type, CCA	9,53	10,73	
iC-WKL1D, 6.5 x 20 mm <sup>2</sup> , PCB-board, P-type, CCA	10,79	12,15	
EU-38-PD, 35 x 14 mm <sup>2</sup> , auto power control, LD current max. 1 A	24,00	27,03	
<b>without PD</b>			
EU-38-TTL, 35 x 14 mm <sup>2</sup> , ACC, TTL modulable, LD current max. 1 A	22,00	24,77	
EU-38-1, 35 x 14 mm <sup>2</sup> , ACC, max. 1.0 A	21,80	24,55	
EU-40, 11 x 23 mm <sup>2</sup> , ACC, 3 VDC, 400mA for <b>BLUE</b> and <b>GREEN LD</b> <b>NEW</b>	12,90	14,53	
<b>LASER DIODE DRIVER ICs</b>	<b>EUR</b>	<b>USD</b>	
	diverse drivers for laser diodes as integrated circuits		
	1-49 pcs.	1-49 pcs.	
iC-VJ SO16N, driver IC for cw laser diodes	4,05	4,56	
iC-VJZ SO16N, driver IC for cw laser diodes	4,05	4,56	
iC-WJ SO8, driver IC for cw laser diodes	3,67	4,13	
iC-WJ MSOP8, driver IC for cw laser diodes	3,77	4,25	
iC-WJZ SO8, driver IC for cw laser diodes	3,67	4,13	
iC-WJZ MSOP8, driver IC for cw laser diodes	3,77	4,25	
iC-WJB SO8, driver IC for cw laser diodes, 2.7 VDC	3,91	4,40	
iC-WJB MSOP8, driver IC for cw laser diodes, 2.7 VDC	4,01	4,52	
iC-WK SO8, driver IC for any laser diode polarity, 2.4 VDC	3,29	3,70	
iC-WK MSOP8, driver IC for any laser diode polarity, 2.4 VDC	3,35	3,77	
iC-WKL SO8, driver IC for any laser diode polarity, industrial, 2.4 VDC	3,90	4,39	
iC-WKL MSOP8, driver IC for any laser diode polarity, industrial, 2.4 VDC	3,90	4,39	
iC-HB QFN24, triple laser diode switch 155 MHz, with LVDS inputs	5,00	5,63	
iC-HG QFN28, laser diode switch 200 MHz, Ip up to 3 A	10,00	11,26	
iC-HK SO8-TP, laser diode switch 155 MHz, Ip up to 700 mA	3,13	3,52	

iC-HK MSOP8, laser diode switch 155 MHz, Ip up to 700 mA	3,13	3,52
iC-HKB SO8-TP, laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA	3,13	3,52
iC-HKB MSOP8, laser diode switch 155 MHz for blue laser diodes, Ip up to 700 mA	3,30	3,72
iC-WKM SO8-TP, cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC	4,40	4,95
iC-WKM DFN10, cw M-type laser diode driver IC, up to 350 mA, Ub: 3.6 - 15 VDC	4,40	4,95
iC-WKN SO8-TP, cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC	4,40	4,95
iC-WKN DFN10, cw N-type laser diode driver IC, up to 300 mA, Ub: 2.4 - 15 VDC	4,40	4,95
iC-WKP SO8-TP, cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC	4,40	4,95
iC-WKP DFN10, cw P-type laser diode IC, up to 350 mA, Ub: 3.0 - 15 VDC	4,40	4,95
iC-NZ QFN28, laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	10,00	11,26
iC-NZN QFN24, N-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	6,00	6,76
iC-NZP QFN24, P-type laser diode pulse driver IC, 3.5 - 5.5 V supply, cw .. 155 MHz	6,00	6,76
iC-HL DFN10, programmable laser bias resistor	6,00	6,76

EVALUATION BOARDS FOR LASER DIODE DRIVER ICs	EUR	USD
 evaluation boards, to set up your iC drivers easily		
	1-49 pcs.	1-49 pcs.
iC-HG EVAL HG1D, demo board for iC-HG, including 2 samples	76,00	85,59
iC-NZ EVAL NZ1D, demo board for iC-NZ, including 2 samples	76,00	85,59
iC-NZN EVAL NZN1D, demo board for iC-NZN, including 2 samples	76,00	85,59
iC-NZP EVAL NZP1D, demo board for iC-NZP, including 2 samples	76,00	85,59
iC-VJ EVAL VJD, demo board for iC-VJ, including 2 samples	76,00	85,59
iC-VJZ EVAL VJD, demo board for iC-VJZ, including 2 samples	76,00	85,59
iC-WJ EVAL WJ1D, demo board for iC-WJ, including 2 samples	76,00	85,59
iC-WJB EVAL WJ1D, demo board for iC-WJB, including 2 samples	76,00	85,59
iC-WJZ EVAL WJ1D, demo board for iC-WJZ, including 2 samples	76,00	85,59
iC-WK EVAL WK4D, demo board for iC-WK, including 2 samples	76,00	85,59
iC-WKL EVAL WK4D, demo board for iC-WKL, including 2 samples	76,00	85,59
iC-WKN EVAL WK4D, demo board for iC-WKN, including 2 samples	76,00	85,59
iC-WKM EVAL WK1D, demo board for iC-WKM, including 2 samples	76,00	85,59
iC-WKP EVAL WK1D, demo board for iC-WKP, including 2 samples	76,00	85,59

## THERMOELECTRIC COOLERS

TEC ELEMENTS (peltier elements)	EUR	USD
 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		
	1-9 pcs.	1-9 pcs.
TEC1-00705T125, 1 stage, 7 couples, 0.85V, 5A, 2.8W, dTmax: 67°C, 10x10x4.0 mm3	8,40	9,46
TES1-1702LT125, 1 stage, 17 couples, 2.0V, 2A, 2.4W, dTmax: 64°C, 6.2x6.2x2.2 mm3	15,90	17,91
TES1-03103T125, 1 stage, 31 couples, 3.7V, 3A, 7.0W, dTmax: 66°C, 15x15x3.5 mm3	8,70	9,80
TES1-3202T125, 1 stage, 32 couples, 3.87V, 2A, 4.31W, dTmax: 66°C, 8.2x8.2x2.2 mm3	15,00	16,89
TES1-07103T125, 1 stage, 71 couples, 8.5V, 3A, 15.8W, dTmax: 66°C, 23x23x3.5 mm3	12,60	14,19
TES1-12703T125, 1 stage, 127 couples, 15.2V, 3A, 28.3W, dTmax: 66°C, 30x30x3.5 mm3	13,50	15,20
TEC1-12705T125, 1 stage, 127 couples, 15.2V, 5A, 52.1W, dTmax: 67°C, 40x40x4.0 mm3	10,95	12,33
TEC2-25407T125, 2 stages, 254 couples, 15.2V, 7A, dTmax: 100°C, 40x40x7.0 mm3	33,00	37,16
TEC3-22902T125, 3 stages, 229 couples, 15.2V, 2A, dTmax: 100°C, 40x40x8.25 mm3	95,68	107,75
TES4-24601T125, 4 stages, 246 couples, 15.2V, 1.3A, dTmax: 100°C, 30x30x14.5 mm	107,64	121,22
 TEC element size 30 x 30 x 5.5 mm <sup>2</sup> for cooling and heating with central hole 4.7 mm diameter		
	1-9 pcs.	1-9 pcs.

TEC1-07103T125, 1 stage, 8.5V, 3A, 16W, dTmax: 67°C, 30x30x5.5 mm3, hole: 4.7 mm	12,00	13,51
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## LASER MODULES - UV

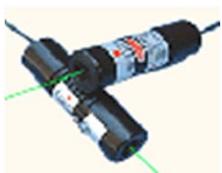
UV LASER DIODE MODULES, LDM-375 series, MODULATION	EUR	USD
 375 nm laser diode module, with TEC and TTL or analog modulation, fiber coupling option, 85 - 260 VAC power supply included <b>375 nm</b>	1-3 pcs.	1-3 pcs.
LDM-375-10-TEC-M, 375 nm, 10-20 mW cw, stability <5%, laser head 91x52x33 mm	10.119,05	11.395,26
LDM-375-20-TEC-M, 375 nm, 20-30 mW cw, stability <5%, laser head 91x52x33 mm	10.280,95	11.577,59
LDM-375-50-TEC-M, 375 nm, 40-50 mW cw, stability <5%, laser head 91x52x33 mm	10.442,86	11.759,91
LDM-375-10-TEC-M-F, 375 nm, 10 mW cw, stability <5%, fiber coupled, MM	12.709,52	14.312,45

## LASER MODULES - VIOLET

VIOLET LASER DIODE MODULES, CW405 series	EUR	USD
 small size, high quality violet laser diode module - APC (automatic power control) - <1 mW or <5 mW - fixfocus - 2-5 VDC input voltage range <b>405 nm</b>	1-9 pcs.	1-9 pcs.
CW405-01, 405 nm, 1 mW, automatic power control, Ø12 x 20 (49) mm, 2-5 VDC	41,90	47,18
CW405-05, 405 nm, 5 mW, automatic power control, Ø12 x 20 (49) mm, 2-5 VDC	41,90	47,18
VIOLET LASER DIODE MODULES, STAR405 series, FOCUSABLE + MODULATION	EUR	USD
 high quality violet laser diode module - low divergence 0.3 mrad - focusable glass lens - 1..20 mW - modulable up to 1 kHz TTL <b>405 nm</b>	1-9 pcs.	1-9 pcs.
STAR405F5, 405 nm, 5 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC	42,00	47,30
STAR405F10, 405 nm, 10 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC	49,00	55,18
STAR405F20, 405 nm, 20 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC	55,00	61,94
VIOLET LASER DIODE MODULES, RLD series, FOCUSABLE	EUR	USD
 violet laser diode module - APC (automatic power control) - low divergence - focusable glass lens - 1..100 mW <b>405 nm</b>	1-9 pcs.	1-9 pcs.
RLDD405-1-3, 405 nm, 1mW, 0.5 mrad, focusable, Ø14 x 45 mm, 3 VDC, <70 mA	52,00	58,56
RLDE405-12-6, 405 nm, 12 mW, 0.6 mrad, focusable, Ø22 x 65 mm, 6 VDC,<70 mA	98,00	110,36
VIOLET LASER DIODE MODULES, RLDE405 M series, FOCUSABLE + MODULABLE	EUR	USD
 high quality violet laser diode module - ACC (automatic current control) - low divergence 0.6 mrad, focusable glass lens - 1..100 mW - modulable up to 20 kHz TTL <b>405 nm</b>	1-9 pcs.	1-9 pcs.
RLDE405M-20-5, 405 nm, 20 mW, TTL <20 kHz, focusable, Ø16 x 50 mm, 5 VDC	138,00	155,40
RLDE405M-50-5, 405 nm, 50 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC	149,00	167,79
RLDE405M-100-5, 405 nm, 100 mW, TTL <20 kHz, focusable, Ø22 x 65 mm, 5 VDC	160,00	180,18
VIOLET LASER DIODE MODULES, RLTPGL series	EUR	USD

	violet laser diode module based on GaN laser diodes  <b>405 nm</b>		
RLTPGL-405-10, <b>405 nm</b> , 10 mW, 0.6 mrad, Ø15 x 50 mm, 6 VDC, typ. 50 mA		1-9 pcs.	1-9 pcs.
<b>LASER MODULES - BLUE</b>			
<b>BLUE LASER DIODE MODULES, CW450 series</b>		<b>EUR</b>	<b>USD</b>
	small size, high quality blue laser diode module - APC (automatic power control) - < 1 mW or < 5 mW - fixfocus - wide input voltage range (2-5VDC)		
	<b>450 nm</b>		
		1-9 pcs.	1-9 pcs.
CW450-01, <b>450 nm</b> , 1 mW, automatic power control, Ø12 x 21 (44) mm, 2-5 VDC		68,08	76,67
CW450-05, <b>450 nm</b> , 5 mW, automatic power control, Ø12 x 21 (44) mm, 2-5 VDC		68,08	76,67
<b>BLUE LASER DIODE MODULES, CW450F series, FOCUSABLE</b>		<b>EUR</b>	<b>USD</b>
	small size, high quality blue laser diode module - APC (automatic power control) - <5 mW - focusable (square beam) - wide input voltage range (2-5VDC)		
	<b>450 nm</b>		
		1-9 pcs.	1-9 pcs.
CW450-05F, <b>450 nm</b> , 1 mW, APC, focusable, modulation , Ø13 x 29 (54) mm, 2-5 VDC		74,00	83,33
<b>BLUE LASER DIODE MODULES, STAR450 series, MODULABLE</b>		<b>EUR</b>	<b>USD</b>
	high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..20 mW - modulable up to 1 kHz TTL		
	<b>450 nm</b>		
		1-9 pcs.	1-9 pcs.
STAR450F5, <b>450 nm</b> , 5 mW, 0.3 mrad, <500 kHz, Ø16 x 60 mm, 6 VDC		122,00	138,01
STAR450F10, <b>450 nm</b> , 10 mW, 0.3 mrad, <1 kHz, Ø16 x 60 mm, 6 VDC		166,00	186,94
<b>BLUE LASER DIODE MODULES, RLDD450 series, FOCUSABLE</b>		<b>EUR</b>	<b>USD</b>
	high quality blue laser diode module - ACC (automatic current control) - focusable glass lens - 1..40 mW		
	<b>450 nm</b>		
		1-9 pcs.	1-9 pcs.
RLDD450-40-5, <b>450 nm</b> , 40 mW, 0.5 mrad, focusable, Ø14 x 45 mm, 5 VDC, <170 mA		128,00	144,14
<b>BLUE DPSS LASER MODULES, CW473 series</b>		<b>EUR</b>	<b>USD</b>
	small size, high quality, solid state cw blue laser modules, featuring external 3 VDC driver circuit  <b>cooling neccessary!</b>		
	<b>473 nm</b>		
		1-3 pcs.	1-3 pcs.
CW473-1, <b>473 nm</b> , 1 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		571,43	643,50
CW473-5, <b>473 nm</b> , 5 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		523,81	589,87
CW473-10, <b>473 nm</b> , 10 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		607,14	683,72
CW473-20, <b>473 nm</b> , 20 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		642,86	723,93
CW473-50, <b>473 nm</b> , 50 mW, 15 mrad, cw, Ø26 x 56 mm, 3.0 VDC		797,33	897,89

BLUE LASER DIODE MODULES, LDM-488 series, MODULATION	EUR	USD
 488 nm laser diode module with TEC and TTL or analog modulation, 85-260 VAC power supply included		
488 nm	1-3 pcs.	1-3 pcs.
LDM-488-10-TEC-M, 488 nm, 10 mW cw, stability <5%, laser head 91x52x33 mm	6.414,00	7.222,93
<b>LASER MODULES - GREEN</b>		
GREEN LASER DIODE MODULES, CW520 series, DIRECT EMITTING LASER DIODE	EUR	USD
 small size, high quality green laser diode module - APC (automatic power control) - 1 and 5 mW available - fixfocus - wide input voltage range (3-5VDC)		
515 nm	1-9 pcs.	1-9 pcs.
CW520-01, 515 nm, 1 mW, CW, automatic power control, Ø12 x 18 (36) mm, 3-5 VDC	44,90	50,56
CW520-05, 515 nm, 5 mW, CW, automatic power control, Ø12 x 18 (36) mm, 3-5 VDC	49,90	56,19
GREEN LASER DIODE MODULES, RLCW520 series, DIRECT EMITTING LASER DIODE	EUR	USD
 DIRECT EMITTING green diode laser modules - glass lens, fixed focus - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C)		
520 nm	1-9 pcs.	1-9 pcs.
RLCW520-5-5, 520 nm, 5 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA	165,00	185,81
RLCW520-12-5, 520 nm, 12 mW, APC, 0.8 mrad, fixed focus, Ø8 x 35 mm, 5 VDC, 250 mA	182,00	204,95
GREEN LASER DIODE MODULES, RLCW520M series, DIRECT EMITTING + MODULATION	EUR	USD
 DIRECT EMITTING green diode laser modules - glass lens, fixed focus - CW operation, modulation up to 10 kHz TTL - APC (automatic power control) - wide operating temperature (-10..+60°C)		
520 nm	1-9 pcs.	1-9 pcs.
RLCW520M-1-3, 520 nm, 1 mW, APC, TTL <1 kHz, fixed focus, Ø8 x 35 mm, 3 VDC, 30 mA	165,00	185,81
RLCW520M-5-5, 520 nm, 5 mW, APC, TTL <10 kHz, fixed focus, Ø8 x 35 mm, 5 VDC, 120 mA	182,42	205,43
GREEN LASER DIODE MODULES, RLCW520F series, DIRECT EMITTING + FOCUSABLE	EUR	USD
 DIRECT EMITTING green diode laser modules - focusable glass lens - CW operation - APC (automatic power control) - wide operating temperature (-10..+60°C)		
520 nm	1-9 pcs.	1-9 pcs.
RLCW520F-9-5, 520 nm, 9 mW, APC, 0.8 mrad, focusable, Ø16 x 65 mm, 5 VDC, 100 mA	182,00	204,95
GREEN DPSS LASER MODULES, CW532 831 series	EUR	USD
 small, high quality auto power control solid state cw green laser modules <b>cooling neccessary!</b>		
532 nm	1-3 pcs.	1-3 pcs.
CW532-1-831, 532 nm, <1 mW, APC, 1.2 mrad, cw, Ø8 x 31 (49) mm, 3.0 VDC	36,20	40,77
CW532-5-831, 532 nm, <5 mW, APC, 1.2 mrad, cw, Ø8 x 31 (49) mm, 3.0 VDC	36,20	40,77
GREEN DPSS LASER MODULES, CW532 series	EUR	USD

	low cost, high quality small size solid state cw green laser modules --> heat sink available --> power supply available  532 nm		
CW532-001, <b>532 nm</b> , <1 mW, APC, 0.6 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~140 mA	37,20	41,89	
CW532-005, <b>532 nm</b> , <5 mW, APC, 0.6 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~140 mA	40,20	45,27	
CW532-010, <b>532 nm</b> , 10 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~200 mA	56,20	63,29	
CW532-020, <b>532 nm</b> , 20 mW, APC, 0.8 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~250 mA	69,00	77,70	
CW532-030, <b>532 nm</b> , 30 mW, APC, 0.8 mrad, cw, Ø12 x 35 (53) mm, 3.0 VDC, ~350 mA	93,20	104,95	
CW532-050, <b>532 nm</b> , 50 mW, APC, 0.8 mrad, cw, Ø12 x 35 (53) mm, 3.0 VDC, ~600 mA	100,20	112,84	
CW532-100, <b>532 nm</b> , 100 mW, ACC, 1.2 mrad, cw, Ø12 x 31 (49) mm, 3.0 VDC, ~650 mA	200,20	225,45	
<b>GREEN DPSS LASER MODULES, CW532 HT series, HIGH TEMPERATURE</b>	<b>EUR</b>	<b>USD</b>	
	wide temperature range (10 - 50 °C), smal size, green DPSS laser modules, APC <b>cooling neccessary!</b>  532 nm		
CW532HT-1, <b>532 nm</b> , 0.5-0.99 mW, APC, <b>10-50°C</b> , 1.2 mrad, cw, Ø12 x 31.3 (51.3) mm, 3 VDC	125,20	140,99	
CW532HT-5, <b>532 nm</b> , 3-5 mW, APC, <b>10-50°C</b> , 1.2 mrad, cw, Ø12 x 31.3 (51.3) mm, 3 VDC	144,20	162,39	
LAS532-WT50-3, <b>532 nm</b> , 3.25 mW, APC, <b>-10-50°C</b> , 1.7 mrad, cw, Ø12 x 35mm, 3 VDC	102,00	114,86	
<b>GREEN DPSS LASER MODULES, CW532 F series, FOCUSABLE</b>	<b>EUR</b>	<b>USD</b>	
	focusable solid state auto power control cw green laser modules <b>cooling neccessary!</b>  532 nm		
CW532-001F, <b>532 nm</b> , <1 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 150 mA	43,70	49,21	
CW532-005F, <b>532 nm</b> , <5 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 200 mA	43,70	49,21	
CW532-010F, <b>532 nm</b> , 10 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 200 mA	53,70	60,47	
CW532-020F, <b>532 nm</b> , 20 mW, APC, focusable, Ø13 x 37(55) mm, 3.0 VDC, 250 mA	67,20	75,68	
CW532-050F, <b>532 nm</b> , 50 mW, APC, focusable, Ø13 x 37 (55) mm, 3.0 VDC, 600 mA	100,40	113,06	
CW532-100F, <b>532 nm</b> , 100 mW, ACC, focusable, Ø13 x 37(55) mm, 3.0 VDC, 650 mA	197,20	222,07	
<b>GREEN DPSS LASER MODULES, CW532 FM series, FOCUSABLE + MODULATION</b>	<b>EUR</b>	<b>USD</b>	
	small size, high quality blue laser diode module - APC (automatic power control) - <1 mW - focusable (square beam) - modulation input, up to 100 Hz - wide input voltage range (2-5VDC)		
CW532-001FM, <b>532 nm</b> , <1 mW, APC, focusable, modulation Ø13 x 37 (55) mm, 3.0 VDC	52,00	58,56	
<b>GREEN DPSS LASER MODULES, RLDD532 series</b>	<b>EUR</b>	<b>USD</b>	
	small size diode pumped solid state green laser modules, ready to use, auto power control, size: 16 x 60 mm supply voltage: 3.0 VDC  532 nm		
RLDD532-1-3, <b>532 nm</b> , 1 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC, laser class II	106,15	119,54	
RLDD532-3-3, <b>532 nm</b> , 3 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC	80,77	90,96	
RLDD532-5-3, <b>532 nm</b> , 5 mW, APC, 0.5 mrad, cw, Ø16 x 60 mm, 3.0 VDC	90,77	102,22	
RLDD532-10-3, <b>532 nm</b> , 10 mW, APC, 0.5 mrad, cw, Ø20 x 80 mm, 3.0 VDC	122,31	137,74	
RLDD532-50-3, <b>532 nm</b> , 50 mW, APC, 0.5 mrad, cw, Ø42 x 80mm, 3.0 VDC	313,00	352,48	
<b>GREEN DPSS LASER MODULES, CW532 04 series, MODULATION</b>	<b>EUR</b>	<b>USD</b>	

	diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation, laser head: 34 x 50 x 50 mm supply voltage: 9.0 VDC		
	<b>532 nm</b>		
		1-3 pcs.	1-3 pcs.
CW532-04-1, <b>532 nm</b> , <1 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		199,00	224,10
CW532-04-5, <b>532 nm</b> , <5 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		219,00	246,62
CW532-04-10, <b>532 nm</b> , <10 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		229,00	257,88
CW532-04-20, <b>532 nm</b> , <20 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		318,00	358,11
CW532-04-30, <b>532 nm</b> , >30 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		365,00	411,03
CW532-04-50, <b>532 nm</b> , >50 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		449,00	505,63
CW532-04-100, <b>532 nm</b> , >100 mW, 1.5 mrad, cw+modulation, case, BNC, 9.0 VDC		629,00	708,33
<b>GREEN DPSS LASER MODULES, GLML3C1 series, MODULATION</b>		<b>EUR</b>	<b>USD</b>
	diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 9.0 VDC		
	<b>532 nm</b>		
		1-3 pcs.	1-3 pcs.
GLML3C1-50, <b>532 nm</b> , >50 mW, cw+modulable, case, BNC, 9 VDC		825,00	929,05
<b>GREEN DPSS LASER MODULES, MGM2 series, MODULATION</b>		<b>EUR</b>	<b>USD</b>
	diode pumped solid state green laser modules, ready to use, auto power control, external driver unit, CW and modulation supply voltage: 6.0 VDC		
	<b>532 nm</b>		
		1-3 pcs.	1-3 pcs.
MGM2-01, <b>532 nm</b> , 1..3 mW, cw, <1.4 mrad, M <sup>2</sup> <2.0, beam diameter <1 mm, 4-6 VDC		390,00	439,19

## LASER MODULES - GREEN LINE

<b>GREEN LINE LASER MODULES, RLCW520FL series, DIRECT EMITTING + FOCUSABLE</b>		<b>EUR</b>	<b>USD</b>
	DIRECT EMITTING green line laser modules - APC (automatic power control) - 90° line, cylinder lens - focusable glass lens - wide operating temperature (-10..+60°C)		
	<b>520 nm</b>		
		1-9 pcs.	1-9 pcs.
RLCW520FL-5-5, <b>520 nm</b> , 5 mW, line, 0.4 mrad, focusable, Ø16 x 65 mm, 5 VDC, 150 mA		182,00	204,95
<b>GREEN LINE DPSS LASER MODULES, CW532 833L series</b>		<b>EUR</b>	<b>USD</b>
	60° green line generator, high quality, small size solid state cw green laser modules <b>cooling neccessary!</b>		
	<b>532 nm</b>		
		1-3 pcs.	1-3 pcs.
CW532-1-833L, <b>532 nm</b> , <1 mW, APC, 60° line, cw, Ø8 x 35 (53) mm, 3.0 VDC, 150 mA		41,10	46,28
CW532-5-833L, <b>532 nm</b> , <5 mW, APC, 60° line, cw, Ø8 x 35 (53) mm, 3.0 VDC, 200 mA		41,10	46,28
<b>GREEN LINE DPSS LASER MODULES, CW532 L series</b>		<b>EUR</b>	<b>USD</b>
	60° green line generator, small size solid state cw green laser modules <b>cooling neccessary!</b> <b>--&gt; heat sink available</b>		
	<b>532 nm</b>		
		1-3 pcs.	1-3 pcs.
CW532-001L, <b>532 nm</b> , <1 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC		41,00	46,17
CW532-005L, <b>532 nm</b> , <5 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC		44,30	49,89
CW532-010L, <b>532 nm</b> , <10 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC		60,60	68,24

CW532-020L, <b>532 nm</b> , <20 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	73,80	83,11
CW532-030L, <b>532 nm</b> , 30 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	97,20	109,46
CW532-050L, <b>532 nm</b> , 50 mW, APC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	104,70	117,90
CW532-100L, <b>532 nm</b> , 100 mW, ACC, 60° line, cw, Ø12 x 35 (51) mm, 3.0 VDC	204,70	230,52
<b>GREEN LINE DPSS LASER MODULES, RLLD532 series</b>	<b>EUR</b>	<b>USD</b>
 90° green line generator, high quality, auto power control, small size solid state cw <b>532 nm</b>		
	1-3 pcs.	1-3 pcs.

RLLD532-5-3, <b>532 nm</b> , <5 mW, APC, 90° line, cw, Ø14 x 60 mm, 3.0 VDC, <300 mA	78,00	87,84
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## LASER MODULES - GREEN CROSS LINE

<b>GREEN CROSS LINE LASER DIODE MODULES, RLCW520C series, DIRECT EMITTING</b>	<b>EUR</b>	<b>USD</b>
 <b>DIRECT EMITTING</b> green cross line laser modules - APC (automatic power control) - <b>90° cross line</b> , cylinder lenses - fixed focus - wide operating temperature (-10..+60°C) <b>520 nm</b>		
	1-9 pcs.	1-9 pcs.
RLCW520C-5-5, <b>520 nm</b> , 4.5-5.5 mW, cross line, fixed focus, Ø20 x 80 mm, 5 VDC, 80 mA	182,00	204,95
<b>GREEN CROSS LINE DPSS LASER MODULES, RLCA532 series</b>	<b>EUR</b>	<b>USD</b>
 green cross line generator, high quality, auto power control, small size solid state cw <b>532 nm</b>		
	1-3 pcs.	1-3 pcs.
RLCA532-5-3, <b>532 nm</b> , <5 mW, APC, cross line, cw, Ø20 x 95 mm, 3.0 VDC, <300 mA	91,00	102,48

## HEAT SINKS FOR CW532 MODULES

	<b>EUR</b>	<b>USD</b>
 heat sink 50 x 50 x 34 mm for CW532 series and other 12 mm diameter laser modules		
	1-9 pcs.	1-9 pcs.

Heat Sink SQ50x34, for CW532, black aluminium, 50 x 50 x 34 mm, 114 g	18,90	21,28
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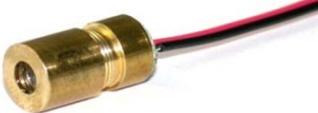
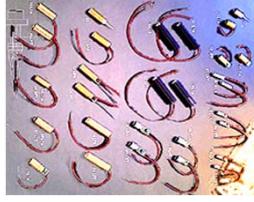
## LASER MODULES - RED

<b>LOW COST LASER DIODE MODULES</b>	<b>EUR</b>	<b>USD</b>
 LDM635-03-05x25 low cost laser diode module for general purposes, 635 nm, < 3 mW		
	1-99 pcs.	1-99 pcs.
LDM635-03-08x25, <b>635 nm</b> , <3 mW, fixfocus, Ø8 x 25 mm, 3.0 VDC	8,10	10,73

**LM series**

	LM-0x low cost laser diode module series for general purposes, 650 nm, typ. < 3 mW <b>PHASE OUT!</b>		
		1-99 pcs.	1-99 pcs.
LM-01, <b>650 nm</b> , <3 mW, dot, fixfocus, Ø8 x 29.5 mm, 3.0 VDC		3,50	3,94
LM-02, <b>650 nm</b> , <3 mW, dot, fixfocus, Ø12 x 30.5 mm, 3.0 VDC		3,50	3,94
	low cost red laser module series, for general purpose input voltage 3-5 VDC, Po <1 mW, 9 x 26 mm <b>Laser class II</b> <b>650 nm</b>		
		1-99 pcs.	1-99 pcs.
LM-101-A16, <b>650 nm</b> , <1 mW, fixfocus, Laser Class II, Ø9 x 26 mm, 3-5 VDC		8,48	9,55
LM-101-A16F, 650 nm, <1 mW, focusable, Laser Class II, Ø9 x 26 mm, 3-5 VDC		8,48	9,55
	low cost red laser module series, for general purpose power typ <1 mW or <5 mW, custom design on request <b>635, 650 nm</b>		
		1-99 pcs.	1-99 pcs.
LM-101-C4, <b>635 nm</b> , <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC		6,35	7,15
LM-103-C004, <b>635 nm</b> , <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC		6,35	7,15
LM-101-A4, <b>650 nm</b> , <1 mW, TUV, Ø8 x 24 mm, 3.0 VDC		4,98	5,61
LM-102-B004, <b>650 nm</b> , <5 mW, FDA, Ø8 x 24 mm, 3.0 VDC		4,98	5,61
	low cost laser diode module for general purposes, visible wavelength <b>650 nm</b>		
		1-99 pcs.	1-99 pcs.
DT650-2.5-3, <b>650 nm</b> , 3 mW, Ø10.5 x 28 mm, focusable, 3.0 VDC		6,89	7,76
	low cost red laser diode module series, for general purposes, visible wavelength 635 nm and 650 nm, power typ. <1 mW or <3 mW, custom design on request <b>PHASE OUT!</b>		
		1-99 pcs.	1-99 pcs.
RLM-650-A-1, <b>650 nm</b> , 1-2 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC		5,83	6,57
RLM-635-A-3, <b>635 nm</b> , typ. 3..5 mW, Ø10 x 26.5 mm, 3.0-4.5 VDC		13,78	15,52
RLM-635-B-3, <b>635 nm</b> , typ. 3..5 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC		13,78	15,52
RLM-635-B-1, <b>635 nm</b> , <1 mW, Ø8 x 23.5 mm, 3.0-4.5 VDC		13,78	15,52
<b>LJ series</b>		<b>EUR</b>	<b>USD</b>
	LJ series laser diode module, diverse wavelengths available, complete and ready to use, focusable single element aspheric acrylic collimator optic <b>635, 650 nm</b>		
		1-9 pcs.	1-9 pcs.
LDM635/1LJ, <b>635 nm</b> , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		29,60	33,33
LDM635/3LJ, <b>635 nm</b> , 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm		29,60	33,33
LDM635/5LJ, <b>635 nm</b> , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		34,00	38,29
LDM650/1LJ, <b>650 nm</b> , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		26,80	30,18
LDM650/3LJ, <b>650 nm</b> , 3 mW, focusable, 3-5 V, Ø12 x 30.5 mm		15,50	17,45
LDM650/5LJ, <b>650 nm</b> , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		17,50	19,71
<b>LJM series (modulable DC..100 kHz)</b>		<b>EUR</b>	<b>USD</b>

	LJM series laser diode module, complete and ready to use, focusable acrylic collimator optic with <b>modulation DC to 300 kHz</b> , analog and digital <b>635, 650 nm</b>		
		1-9 pcs.	1-9 pcs.
LDM635/1LJM, <b>635 nm</b> , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		28,00	31,53
LDM635/5LJM, <b>635 nm</b> , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		29,40	33,11
LDM650/1LJM, <b>650 nm</b> , 1 mW, focusable, 3-5 V, Ø12 x 30.5 mm		21,00	23,65
LDM650/5LJM, <b>650 nm</b> , 5 mW, focusable, 3-5 V, Ø12 x 30.5 mm		19,00	21,40
<b>LT series</b>		<b>EUR</b>	<b>USD</b>
	LT series laser diode module, diverse wavelengths available, complete and ready to use, focusable <b>3-lens glass collimator</b> , excellent beam quality <b>635, 650, 850, 980 nm</b>		
		1-9 pcs.	1-9 pcs.
LDM635/1LT, <b>635 nm</b> , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		48,20	54,28
LDM635/1LTF, <b>635 nm</b> , 1 mW, fixfocus, glass lens, 4-6V, Ø13 x 52 mm		31,00	34,91
LDM635/3LT, <b>635 nm</b> , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		32,40	36,49
LDM635/5LT, <b>635 nm</b> , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		44,40	50,00
LDM650/1LT, <b>650 nm</b> , 1 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	35,25
LDM650/3LT, <b>650 nm</b> , 3 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		31,30	35,25
LDM650/5LT, <b>650 nm</b> , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		35,00	39,41
<b>LTM series (modulable DC..100 kHz)</b>		<b>EUR</b>	<b>USD</b>
	LTM series laser diode module, complete and ready to use, focusable <b>3-lens glass collimator</b> , <b>modulation DC .. 300 kHz</b> , analog and digital, excellent beam quality <b>635, 650 nm</b>		
		1-9 pcs.	1-9 pcs.
LDM635/5LTM, <b>635 nm</b> , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		60,00	67,57
LDM650/5LTM, <b>650 nm</b> , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		40,00	45,04
<b>RLDC MICRO series</b>		<b>EUR</b>	<b>USD</b>
	<b>very small size 8 x 27.5 mm</b> - focusable glass collimator - power supply 3 VDC <b>635, 650, 670 nm</b>		
		1-9 pcs.	1-9 pcs.
RLDC635-2.2-3, <b>635 nm</b> , typ. 2.5 mW, focusable, Ø8 x 25.0 mm, 3 VDC		19,99	22,51
RLDC650-2.2-3, <b>650 nm</b> , typ. 2 mW, focusable, Ø8 x 25.0 mm, 3 VDC		16,00	18,02
RLDC670-2.2-3, <b>670 nm</b> , typ. 2 mW, focusable, Ø8 x 25 mm, 3 VDC		16,00	18,02
<b>RLDG ULTRA SMALL SIZE series</b>		<b>EUR</b>	<b>USD</b>
	red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC <b>Ø 7.0 mm</b> <b>650 nm</b>		
		1-9 pcs.	1-9 pcs.
RLDG650-1-3, <b>650 nm</b> , 1 mW, APC, 0.8 mrad, fixed focus, Ø7 x 14 mm, 3 VDC, 50 mA		6,50	7,32
<b>APCD 01 ULTRA SMALL SIZE series</b>		<b>EUR</b>	<b>USD</b>
	red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC <b>Ø 4.0 mm</b> <b>650 nm</b>		
		1-9 pcs.	1-9 pcs.

APCD-650-01-C2, <b>650 nm</b> , <1 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm, <b>laser class II</b>	7,99	9,00
APCD-650-01-C3, <b>650 nm</b> , <3 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm	7,99	9,00
<b>APCD 02 ULTRA SMALL SIZE series</b>	<b>EUR</b>	<b>USD</b>
 red diode laser module metal housing, focussable acrylic lens, integrated APC laser diode driver IC <b>Ø 6.2 mm</b> <b>635, 650 nm</b>		
	1-9 pcs.	1-9 pcs.
APCD-635-02-C2, <b>635 nm</b> , <1 mW, focusable, Ø6.2 x 11 mm, <b>laser class II</b>	12,90	14,53
APCD-635-02-C3, <b>635 nm</b> , <3 mW, focusable, Ø6.2 x 11 mm	12,90	14,53
APCD-650-02-C2, <b>650 nm</b> , <1 mW, focusable, Ø6.2 x 11 mm, <b>laser class II</b>	5,99	6,75
APCD-650-02-C3, <b>650 nm</b> , <3 mW, focusable, Ø6.2 x 11 mm	5,99	6,75
<b>APCD 06 ULTRA SMALL SIZE series</b>	<b>EUR</b>	<b>USD</b>
 red diode laser module acryl housing with embedded lens integrated APC laser diode driver IC <b>Ø 6.5 mm</b> <b>650 nm</b>		
	1-9 pcs.	1-9 pcs.
APCD-650-06-C2, <b>650 nm</b> , <1 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm, <b>laser class II</b>	6,10	6,87
APCD-650-06-C3, <b>650 nm</b> , <3 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm	6,10	6,87
<b>APCD 07 ULTRA SMALL SIZE series</b>	<b>EUR</b>	<b>USD</b>
 SMALLEST SIZE red diode laser module metal housing, fixfocus acrylic lens, integrated APC laser diode driver IC <b>Ø 3.3 mm</b> <b>650 nm</b>		
	1-9 pcs.	1-9 pcs.
APCD-650-07-C2, <b>650 nm</b> , <1 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm, <b>laser class II</b>	8,80	9,91
APCD-650-07-C3, <b>650 nm</b> , <3 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm	8,80	9,91
<b>QUARTON LASER DIODE MODULES</b>	<b>VLM series</b>	
 QUARTON VLMxxx-yy-LPT: <1 mW VLMxxx-yy-LPA: <5 mW <b>635 - 650 nm</b>		
	1-9 pcs.	1-9 pcs.
VLM650-00, <b>650 nm</b> , <3 mW, fixfocus, Ø10.52 x 17.20 mm, w/o driver board	25,40	28,60
VLM650-01-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø10.4 x 18.5 mm	27,20	30,63
VLM650-02-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø10.5 x 17.2 mm	27,20	30,63
VLM650-03-LPT, <b>650 nm</b> , <1 mW, fixfocus, Ø7.0 x 22.5 mm	13,50	15,20
VLM650-04-LPT, <b>650 nm</b> , <1 mW, fixfocus, Ø6.55 x 12.10 mm	13,30	14,98
VLM650-06-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø12.5 x 53.0 mm	60,00	67,57
VLM650-07-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø12.5 x 53.0 mm	61,00	68,69
VLM650-08-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø10.51 x 24.6 mm	17,50	19,71
VLM650-09-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø10.51 x 31.0 mm	17,50	19,71
VLM650-11-LPT, <b>650 nm</b> , <1 mW, fixfocus, Ø10.52 x 30.00 mm	26,30	29,62
VLM650-11-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø10.52 x 30.00 mm	26,30	29,62
VLM650-14-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø12.00 x 43.0 mm	43,75	49,27
VLM650-15-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø12.00 x 30.0 mm	43,75	49,27
VLM650-16-LPT, <b>650 nm</b> , <1 mW, fixfocus, Ø8.50 x 24.5 mm	27,00	30,41
VLM650-16-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø8.50 x 24.5 mm	27,00	30,41
VLM650-17-LPT, <b>650 nm</b> , <1 mW, fixfocus, Ø12.00 x 30.0 mm	28,80	32,43
VLM650-17-LPA, <b>650 nm</b> , <5 mW, fixfocus, Ø12.00 x 30.0 mm	28,80	32,43
<b>MICRO LASER DIODE MODULES</b>	<b>LDM-1x series</b>	

	<b>Micro laser diode module series</b> - PCB mountable - focussable (100µm spotsize) - divergence < 1 mrad <b>670 nm</b>		
LDM-1A, <b>670 nm</b> , <1 mW, FDA, 13 x 13 x 10 mm <sup>3</sup> , 3-6 VDC		1-9 pcs.	1-9 pcs.
<b>RLD HIGH POWER series</b>		<b>EUR</b>	<b>USD</b>
	RLDxxxx red diode module series - single mode, focussable glass lens - up to 70mW <b>655 - 660 nm</b>		
		1-9 pcs.	1-9 pcs.
RLDG650-13-3, <b>655 nm</b> , 13 mW, sm, Ø14 x 45 mm, focusable, 3 VDC		26,00	29,28
RLDH650-24-3, <b>655 nm</b> , 24 mW, sm, Ø14 x 45 mm, focusable, 3 VDC		74,00	83,33
RLDH660-40-3, <b>660 nm</b> , 40 mW, sm, Ø16 x 50 mm, focusable, 3 VDC		126,00	141,89
RLDH660-70-3, <b>660 nm</b> , 70 mW, sm, Ø22 x 65 mm, focusable, 3 VDC		138,00	155,40
<b>RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE</b>		<b>EUR</b>	<b>USD</b>
	RLDH red diode module, M series - single mode - focussable glass lens - modulation up to 500 kHz TTL - up to 40mW <b>635 - 650 nm</b>		
		1-9 pcs.	1-9 pcs.
RLDH635M-4-5, <b>635 nm</b> , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC		31,00	34,91
RLDH650M-4-5, <b>650 nm</b> , 4 mW, APC, TTL <500 kHz, focusable, Ø12 x 34 mm, 5 VDC		26,50	29,84
RLDH650M-24-5, <b>650 nm</b> , 24 mW, ACC, TTL <200 kHz, focusable, Ø14 x 45 mm, 5 VDC		75,00	84,46
RLDH650M-40-5, <b>650 nm</b> , 40 mW, ACC, TTL <50 kHz, focusable, Ø16 x 50 mm, 5 VDC		118,00	132,88

## LASER MODULES - RED BEAM EXPANDER

<b>RLE Beam Expander series</b>		<b>EUR</b>	<b>USD</b>
	expanded beam laser diode module series for extreme target distances <b>635, 650 nm</b>		
		1-9 pcs.	1-9 pcs.
RLE635-1-3-8, <b>635 nm</b> , 1 mW, Ø8 mm beam aperture, sm, 3 VDC, round beam		76,00	85,59
RLE635-2-3-8, <b>635 nm</b> , 2 mW, Ø8 mm beam aperture, sm, 3 VDC, round beam		93,00	104,73
RLE635-2-3-20, <b>635 nm</b> , 2 mW, Ø20 mm beam aperture, sm, 3 VDC, round beam		112,00	126,13
RLE650-1-3-8, <b>650 nm</b> , 1 mW, Ø8 mm beam aperture, sm, 3 VDC, square beam		64,00	72,07
RLE650-8-3-20, <b>650 nm</b> , 8 mW, Ø20 mm beam aperture, sm, 3 VDC, square beam		134,00	150,90
RLE650-8-5-30, <b>650 nm</b> , 8 mW, Ø30 mm beam aperture, sm, 5 VDC, square beam		169,00	190,31

## LASER MODULES - RED LINE

<b>LM series</b>		<b>EUR</b>	<b>USD</b>
	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 <b>Laser class II</b>		
		1-99 pcs.	1-99 pcs.
LM-101-A102, <b>650 nm</b> , <1 mW, <b>line</b> , Laser Class II, Ø9 x 30 mm, 3-5 VDC		8,48	9,55
<b>RLL series</b>		<b>EUR</b>	<b>USD</b>

	high power <b>line laser module</b> uses cylindrical glass lens		
		1-9 pcs.	1-9 pcs.

RLLI635-2.5-3, <b>635 nm</b> , 2.5 mW, typ. 100° line, Ø8 x 25.5 mm, 3 VDC	28,00	31,53
RLLH635-4-3, <b>635 nm</b> , 4 mW, typ. 100° line, Ø12 x 32 mm, 3 VDC	40,00	45,04
RLLH650-16-3, <b>650 nm</b> , 16 mW, typ. 100° line, Ø14 x 45 mm, 3 VDC	83,00	93,47
RLLH650-24-3, <b>650 nm</b> , 24 mW, typ. 100° line, Ø14 x 49 mm, 3 VDC	146,00	164,41

## LASER MODULES - RED CROSS LINE

RLCB series	EUR	USD
	cross line laser module uses two 90° twisted cylindrical glass lenses APC (automatic power control)	
	1-9 pcs.	1-9 pcs.
RLCB635-2.5-3, <b>635 nm</b> , 2.5 mW, cross line, fixed focus, Ø16 x 45 mm, 3 VDC	40,00	45,04
RLCB635-5-5, <b>635 nm</b> , 5 mW, cross line, fixed focus, Ø16 x 45 mm, 5 VDC	49,00	55,18

## LASER MODULES - IR

APCD 01 ULTRA SMALL SIZE series	EUR	USD
	red diode laser module metal housing, fixfocus acrylic lens integrated APC laser diode driver IC <b>Ø 4.0 mm</b> <b>780, 850 nm</b>	
	1-9 pcs.	1-9 pcs.
APCD-780-01-C2, <b>780 nm</b> , <1 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	19,71
APCD-780-01-C3, <b>780 nm</b> , <3 mW, lop <35 mA, fixfocus, Ø4.0 x 9.1 mm	17,50	19,71
APCD-850-01-C2, <b>850 nm</b> , <1 mW, lop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	44,93
APCD-850-01-C3, <b>850 nm</b> , <3 mW, lop <40 mA, fixfocus, Ø4.0 x 9.1 mm	39,90	44,93
APCD 06 ULTRA SMALL SIZE series	EUR	USD
	red diode laser module acryl housing with embedded lens integrated APC laser diode driver IC <b>Ø 6.5 mm</b> <b>780, 850 nm</b>	
	1-9 pcs.	1-9 pcs.
APCD-780-06-C2, <b>780 nm</b> , <1 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	16,89
APCD-780-06-C3, <b>780 nm</b> , <3 mW, lop <35 mA, fixfocus, Ø6.5 x 9.0 mm	15,00	16,89
APCD-850-06-C2, <b>850 nm</b> , <1 mW, lop <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	33,67
APCD-850-06-C3, <b>850 nm</b> , <3 mW, lop <40 mA, fixfocus, Ø6.5 x 9.0 mm	29,90	33,67
APCD 01 ULTRA SMALL SIZE series	EUR	USD
	<b>SMALLEST SIZE</b> red diode laser module metal housing, fixfocus acrylic lens integrated APC laser diode driver IC <b>Ø 3.3 mm</b> <b>780, 850 nm</b>	
	1-9 pcs.	1-9 pcs.
APCD-780-07-C2, <b>780 nm</b> , <1 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	19,71
APCD-780-07-C3, <b>780 nm</b> , <3 mW, lop <35 mA, fixfocus, Ø3.3 x 8.0 mm	17,50	19,71
APCD-850-07-C2, <b>850 nm</b> , <1 mW, lop <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	50,56
APCD-850-07-C3, <b>850 nm</b> , <3 mW, lop <40 mA, fixfocus, Ø3.3 x 8.0 mm	44,90	50,56
LJ Series	EUR	USD

	LJ series laser diode module complete and ready to use, focusable single element aspheric acrylic collimator optic, diverse wavelengths available <b>780, 808, 850 nm</b>		
		1-9 pcs.	1-9 pcs.
LDM780/3LJ, <b>780 nm</b> , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm		19,20	21,62
LDM808/3LJ, <b>808 nm</b> , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm		26,70	30,07
LDM850/3LJ, <b>850 nm</b> , 3 mW, focusable, 3-6 V, Ø12 x 30.5 mm		38,71	43,59
<b>LT series</b>		EUR	USD
	LT series laser diode module, diverse wavelengths available, complete and ready to use, focusable <b>3-lens glass collimator</b> , excellent beam quality <b>850, 980 nm</b>		
		1-9 pcs.	1-9 pcs.
LDM850/5LT, <b>850 nm</b> , 5 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		39,90	44,93
LDM980/25LT, <b>980 nm</b> , 25 mW, focusable, glass lens, 4-6V, Ø13 x 52 mm		46,90	52,82
<b>LDM series</b>		EUR	USD
	LDM780-03-11x30 low cost infrared laser diode module for general purpose <b>780 nm</b>		
		1-99 pcs.	1-99 pcs.
LDM780-03-11x20, <b>780 nm</b> , 3 mW, Ø11 x 20 mm, 3.0 VDC		7,95	8,95
<b>LM series</b>		EUR	USD
	low cost, infrared laser diode module, focusable, output power typ. < 3 mW up to < 26 mW <b>830, 880, 980 nm</b>		
		1-99 pcs.	1-99 pcs.
LM-102-H002, <b>830 nm</b> , <3 mW, focusable , Ø9.8 x 26 mm, 3.0 VDC		14,20	15,99
LM-102-H130, <b>830 nm</b> , <15 mW, focusable , Ø9.8 x 26 mm, 3.0 VDC		24,60	27,70
LM-104-E002, <b>880 nm</b> , <3 mW, focusable , Ø9.8 x 26 mm, 3.0 VDC		18,40	20,72
LM-104-E130, <b>880 nm</b> , <6 mW, focusable , Ø9.8 x 26 mm, 3.0 VDC		19,90	22,41
LM-106-G130, <b>980 nm</b> , <26 mW, focusable , Ø9.8 x 26 mm, 3.0 VDC		19,90	22,41
<b>RLDC MICRO series</b>		EUR	USD
	<b>very small size 8 x 27.5 mm</b> - focusable glass collimator - power supply 3 VDC <b>850 nm</b>		
		1-9 pcs.	1-9 pcs.
RLDC850-2-3, <b>850 nm</b> , typ. 2 mW, focusable, Ø8 x 27.5 mm, 3 VDC		30,00	33,78
<b>RLD series</b>		EUR	USD
	infrared laser diode module series focussable glass lens - up to 4000 mW <b>780, 808, 830, 850, 980</b>		
		1-9 pcs.	1-9 pcs.
RLDC780-2-3, <b>780 nm</b> , 2-3 mW, single mode, focusable glass optic, Ø14 x 43 mm, 3 VDC		24,00	27,03
RLDB780-30-3, <b>780 nm</b> , 30 mW, focusable glass optic, Ø16 x 48 mm, 3 VDC		63,00	70,95
RLDB808-7-3-FA, <b>808 nm</b> , 7 mW, fixfocus, divergence 0.28 mrad, Ø14 x 45 mm, 3 VDC		n.a.	n.a.
RLDB808-120-3, <b>808 nm</b> , 120 mW, focusable, Ø22 x 65 mm, 3 VDC		35,00	39,41
RLDH808-120-3, <b>808 nm</b> , 120 mW, focusable, Ø22 x 65 mm, 3 VDC		39,00	43,92

RLDB808-150-3, <b>808 nm</b> , 150 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	76,58
RLDB808-200-3, <b>808 nm</b> , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	72,00	81,08
RLDB808-300-3, <b>808 nm</b> , 300 mW, focusable, Ø22 x 65 mm, 3 VDC	78,00	87,84
RLDB808-350-3, <b>808 nm</b> , 350 mW, focusable, Ø22 x 65 mm, 3 VDC	82,00	92,34
RLDB808-500-5, <b>808 nm</b> , 500 mW, focusable, Ø45 x 120 mm, 5 VDC	88,00	99,10
RLDH808-1200-5, <b>808 nm</b> , 1.2 W, focusable, Ø45 x 100 mm, 5 VDC, 444 g	277,40	312,39
RLDH808-4000-5, <b>808 nm</b> , 4.0 W, focusable, 60 x 110 mm, 5 VDC, 1.200 g	990,00	1.114,86
RLDH830-3-3, <b>830 nm</b> , 3 mW, focusable, ARC glass collimator, Ø12 x 34.5 mm, 3 VDC	22,00	24,77
RLDH830-30-3, <b>830 nm</b> , 30 mW, focusable, ARC glass collimator, Ø14 x 43 mm, 3 VDC	35,00	39,41
RLDH830-120-3, <b>830 nm</b> , 120 mW, focusable, ARC glass collimator, Ø22 x 65 mm, 3 VDC	96,80	109,01
DT850-30-3, <b>850 nm</b> , 30 mW, focusable, Ø12 x 34.5 mm, 3 VDC	78,00	87,84
RLDH850-40-3, <b>850 nm</b> , 40 mW, APC, focusable, Ø22 x 65 mm, 3 VDC	96,00	108,11
RLDH980-70-3, <b>980 nm</b> , 70 mW, focusable, Ø22 x 65 mm, 3 VDC	58,00	65,31
RLDB980-120-3, <b>980 nm</b> , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	69,82
RLDH980-120-3, <b>980 nm</b> , 120 mW, focusable, Ø22 x 65 mm, 3 VDC	62,00	69,82
RLDH980-200-3, <b>980 nm</b> , 200 mW, focusable, Ø22 x 65 mm, 3 VDC	68,00	76,58
<b>RLDH LASER DIODE MODULES, M SERIES, CW+ MODULABLE</b>		<b>EUR</b> <b>USD</b>
	RLDH infrared diode module, M series - focussable glass lens - modulation up to 10 kHz TTL - up to 350 mW	
<b>808 - 850 nm</b>		
		1-9 pcs.      1-9 pcs.
RLDH808M-120-5, <b>808 nm</b> , 120 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC	48,00	54,05
RLDH808M-350-5, <b>808 nm</b> , 350 mW, APC, TTL <5 kHz, focusable, Ø22 x 65 mm, 5 VDC	74,00	83,33
RLDH850M-40-5, <b>850 nm</b> , 40 mW, APC, TTL <10 kHz, focusable, Ø22 x 65 mm, 5 VDC	108,00	121,62
<b>C2021 series</b>		<b>EUR</b> <b>USD</b>
	infrared laser diode module series for general purposes	
<b>980 nm</b>		
		1-9 pcs.      1-9 pcs.
C2021-B1, <b>980 nm</b> , 10..20 mW, focusable, Ø10.5 x 20 mm, 3 VDC	54,54	61,42
C2021-C1, <b>980 nm</b> , 20..35 mW, focusable, Ø10.5 x 20 mm, 3 VDC	66,66	75,07
C2021-E1, <b>980 nm</b> , 90..120 mW, focusable, Ø14 x 43 mm, 3 VDC	129,28	145,58
<b>CW1064 DPSS series</b>		<b>EUR</b> <b>USD</b>
	small size, uncooled, solid state cw infrared laser modules, 3VDC <b>cooling necessary!</b> <b>--&gt; heat sink available</b>	
<b>1064 nm</b>		
		1-3 pcs.      1-3 pcs.
CW1064-01, <b>1064 nm</b> , <1 mW, APC, 0.8 mrad, cw, Ø12 x 46 (65) mm, 3.0 VDC	140,20	157,88
CW1064-05, <b>1064 nm</b> , <5 mW, APC, 0.8 mrad, cw, Ø12 x 46 (65) mm, 3.0 VDC	140,20	157,88
<b>PIL-VI DPSS series</b>		<b>EUR</b> <b>USD</b>
	solid state cw infrared lasemodules, 5VDC separate driver unit <b>cooling necessary!</b> <b>--&gt; heat sink available</b>	
<b>1064 nm</b>		
		1-3 pcs.      1-3 pcs.
PIL-VI-1064-1, DPSS, <b>1064 nm</b> , 1 mW, cw, 5 VDC, Ø12 x 40mm	271,43	305,66
PIL-VI-1064-3, DPSS, <b>1064 nm</b> , 3 mW, cw, 5 VDC, Ø12 x 40mm	314,29	353,92
PIL-VI-1064-5, DPSS, <b>1064 nm</b> , 5 mW, cw, 5 VDC, Ø12 x 40mm	314,29	353,92
PIL-VI-1064-10, DPSS, <b>1064 nm</b> , 10 mW, cw, 5 VDC, Ø12 x 40mm	342,86	386,10
PIL-VI-1064-20, DPSS, <b>1064 nm</b> , 20 mW, cw, 5 VDC, Ø12 x 40mm	371,43	418,27
PIL-VI-1064-50, DPSS, <b>1064 nm</b> , 50 mW, cw, 5 VDC, Ø12 x 40mm	428,57	482,62

PIL-VI-1064-100, DPSS, <b>1064 nm</b> , 100 mW, cw, 5 VDC, Ø12 x 40mm	471,43	530,89
PIL-VI-1064-200, DPSS, <b>1064 nm</b> , 200 mW, cw, 5 VDC, Ø12 x 40mm	523,81	589,87
PIL-VI-1064-300, DPSS, <b>1064 nm</b> , 300 mW, cw, 5 VDC, Ø12 x 40mm	714,29	804,37
PIL-VI-1064-400, DPSS, <b>1064 nm</b> , 400 mW, cw, 5 VDC, Ø12 x 40mm	799,52	900,36

## LASER MODULES - IR LINE

RLLH series, LINE LASER MODULE	EUR	USD
 <p>Infrared line laser modules            - APC (automatic power control)            - <b>90° line</b>, cylinder lens            - up to 350 mW</p> <p><b>808 - 830 nm</b></p>	1-9 pcs.	1-9 pcs.
RLLH808-350-3, <b>808 nm</b> , 350 mW, APC, line, fixed focus, Ø22 x 70 mm, 3 VDC	76,00	85,59
RLLH830-30-3, <b>830 nm</b> , 30 mW, APC, line, fixed focus, Ø14 x 45 mm, 3 VDC	79,00	88,96

## LASER MODULES - PC CONTROLLED

RLLM series, PC CONTROLLED LASER MODULE, USB CONNECTOR	EUR	USD
 <p>PC controlled laser modules, USB 2.0, incl. software            - CW mode and modulation (up to 50 kHz)            - power stability &lt;5%, noise &lt;0.5%            - <b>optional:</b> detachable line generator (10 up to 90 °)</p> <p><b>405 - 845 nm</b></p>	1-9 pcs.	1-9 pcs.
RLLM-405PC-1, <b>405 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	523,65
RLLM-405PC-5, <b>405 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	557,71
RLLM-405PC-10, <b>405 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	587,53
RLLM-405PC-30, <b>405 nm</b> , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	653,94
RLLM-405PC-50, <b>405 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-405PC-100, <b>405 nm</b> , 100 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	929,13	1.046,31
RLLM-445PC-1, <b>445 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	523,65
RLLM-445PC-5, <b>445 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	557,71
RLLM-445PC-10, <b>445 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	587,53
RLLM-445PC-30, <b>445 nm</b> , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	653,94
RLLM-445PC-50, <b>445 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-445PC-80, <b>445 nm</b> , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	915,52
RLLM-447PC-1, <b>447 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	523,65
RLLM-447PC-5, <b>447 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	557,71
RLLM-447PC-10, <b>447 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	587,53
RLLM-447PC-30, <b>447 nm</b> , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	653,94
RLLM-447PC-50, <b>447 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-447PC-80, <b>447 nm</b> , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	915,52
RLLM-450PC-1, <b>450 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	465,00	523,65
RLLM-450PC-5, <b>450 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	495,25	557,71
RLLM-450PC-10, <b>450 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	521,73	587,53
RLLM-450PC-30, <b>450 nm</b> , 30 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	653,94
RLLM-450PC-50, <b>450 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-450PC-80, <b>450 nm</b> , 80 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	915,52
RLLM-520PC-1, <b>520 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	580,70	653,94
RLLM-520PC-5, <b>520 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	621,45	699,83
RLLM-520PC-10, <b>520 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	694,55	782,15
RLLM-520PC-20, <b>520 nm</b> , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	915,52
RLLM-520PC-50, <b>520 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.045,27	1.177,10
RLLM-635PC-1, <b>635 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	392,37
RLLM-635PC-5, <b>635 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	430,40
RLLM-635PC-10, <b>635 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	464,13
RLLM-635PC-20, <b>635 nm</b> , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	523,15
RLLM-635PC-50, <b>635 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-637PC-1, <b>637 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	392,37

RLLM-637PC-5, <b>637 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	430,40
RLLM-637PC-10, <b>637 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	464,13
RLLM-637PC-20, <b>637 nm</b> , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	523,15
RLLM-637PC-50, <b>637 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-640PC-1, <b>640 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	348,42	392,37
RLLM-640PC-5, <b>640 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	382,20	430,40
RLLM-640PC-10, <b>640 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	412,15	464,13
RLLM-640PC-20, <b>640 nm</b> , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	464,56	523,15
RLLM-640PC-50, <b>640 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-685PC-1, <b>685 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	929,13	1.046,31
RLLM-685PC-5, <b>685 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	954,28	1.074,63
RLLM-685PC-10, <b>685 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	990,00	1.114,86
RLLM-685PC-20, <b>685 nm</b> , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.161,41	1.307,88
RLLM-685PC-50, <b>685 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.509,83	1.700,25
RLLM-845PC-1, <b>845 nm</b> , 1 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	696,84	784,73
RLLM-845PC-5, <b>845 nm</b> , 5 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	723,92	815,22
RLLM-845PC-10, <b>845 nm</b> , 10 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	786,12	885,27
RLLM-845PC-20, <b>845 nm</b> , 20 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	812,99	915,52
RLLM-845PC-50, <b>845 nm</b> , 50 mW, cw, modulation <50 kHz, focusable, USB2.0, Ø19 x 88 mm	1.045,27	1.177,10
<b>OPTION:</b> RLLM-PL, detachable Powell Lens, available with 10, 15, 30, 45, 50, 60, 75 and 90°	89,00	100,22

## POWER SUPPLIES FOR LASER MODULES

LPS series	EUR	USD
	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 1A, 30x80x75 mm	19,90	22,41
LPS51C, Laser Power Supply, Input: 100-240 VAC, Output: 5.0 VDC, max 1A, 30x80x75 mm	19,90	22,41
	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	1-3 pcs. 1-3 pcs.
LPS31, Laser Power Supply, Input: 110-230 VAC, Output: 3.0 VDC, max 1A, 33x62x105 mm	29,90	33,67
LPS51, Laser Power Supply, Input: 110-230 VAC, Output: 5.0 VDC, max 1A, 33x62x105 mm	29,90	33,67

## LASER SYSTEMS - UV

UV DPSS LASERS, RLTUVL-261 series	EUR	USD
	80-250 VAC power supply included cw operation available options: fibercoupling, adjustable power 261nm	1-3 pcs. 1-3 pcs.
RLTUVL-261-1-10, <b>261 nm</b> , 1 mW cw, <10% stability, laser head 209x88x74 mm	9.667,00	10.886,20
RLTUVL-261-2-10, <b>261 nm</b> , 2 mW cw, <10% stability, laser head 209x88x74 mm	11.600,00	13.062,99
RLTUVL-261-3-10, <b>261 nm</b> , 3 mW cw, <10% stability, laser head 209x88x74 mm	13.533,00	15.239,78
<b>UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-266 series</b>	EUR	USD

	<b>Passively Q-switched Laser</b> uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability		
	<b>266 nm passively Q-switched</b>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMPL-266-10-10, <b>266 nm</b> , 10 mW / 3 $\mu$ J, ~10 ns pulse, <10% stability, 80-250VAC	7.233,00	8.145,23	
RLTMPL-266-30-10, <b>266 nm</b> , 30 mW / 5 $\mu$ J, ~10 ns pulse, <10% stability, 80-250VAC	8.700,00	9.797,24	
RLTMPL-266-50-10, <b>266 nm</b> , 50 mW / 5 $\mu$ J, ~10 ns pulse, <10% stability, 80-250VAC	12.567,00	14.151,95	
RLTMPL-266-100-10, <b>266 nm</b> , 100 mW / 10 $\mu$ J, ~10 ns pulse, <10% stability, 80-250VAC	13.533,00	15.239,78	
RLTMPL-266-200-10, <b>266 nm</b> , 200 mW / 10 $\mu$ J, ~10 ns pulse, <10% stability, 80-250VAC	18.133,00	20.419,93	
<b>UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-266SP series</b>	<b>EUR</b>	<b>USD</b>	
	<b>Passively Q-switched short pulse Laser</b> uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability		
	<b>266 nm passively Q-switched</b>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMPL-266SP-10-10, <b>266 nm</b> , 10 mW / 1-2 $\mu$ J, ~1.3 ns pulse, <10% stability, 80-250VAC	10.633,00	11.974,03	
RLTMPL-266SP-20-10, <b>266 nm</b> , 20 mW / 3 $\mu$ J, ~1.3 ns pulse, <10% stability, 80-250VAC	11.600,00	13.062,99	
RLTMPL-266SP-30-10, <b>266 nm</b> , 30 mW / 4 $\mu$ J, ~1.3 ns pulse, <10% stability, 80-250VAC	13.533,00	15.239,78	
<b>UV DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-266 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>AOM (Acusto-Optic Modulation) Q-switched Laser</b> 1 - 50 kHz, adjustable Option: 5% power stability <b>80-250 VAC power supply included</b>		
	<b>266 nm AOM Q-switched</b>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTAOL-266-30-10, <b>266 nm</b> , 30 mW @ 10 kHz, 3 $\mu$ J, 10-15 ns pulse, <10% stability	13.533,00	15.239,78	
RLTAOL-266-50-10, <b>266 nm</b> , 50 mW @ 10 kHz, 5 $\mu$ J, 10-15 ns pulse, <10% stability	14.507,00	16.336,62	
RLTAOL-266-100-10, <b>266 nm</b> , 100 mW @ 10 kHz, 10 $\mu$ J, 10-15 ns pulse, <10% stability	18.133,00	20.419,93	
RLTAOL-266-200-10, <b>266 nm</b> , 200 mW @ 10 kHz, 20 $\mu$ J, 10-15 ns pulse, <10% stability	21.760,00	24.504,37	
<b>UV DPSS LASERS, RLTUVL-303 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>cw operation</b> , $M^2 < 2.0$ , divergence <1.5 mrad <b>available options:</b> fibercoupling, adjustable power <b>303nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTUVL-303-3-10, <b>303 nm</b> , 3 mW cw, <10% stability, laser head 209x88x74 mm	7.733,00	8.708,29	
RLTUVL-303-5-10, <b>303 nm</b> , 5 mW cw, <10% stability, laser head 209x88x74 mm	9.667,00	10.886,20	
RLTUVL-303-10-10, <b>303 nm</b> , 10 mW cw, <10% stability, laser head 209x88x74 mm	11.600,00	13.062,99	
RLTUVL-303-15-10, <b>303 nm</b> , 15 mW cw, <10% stability, laser head 209x88x74 mm	13.533,00	15.239,78	
RLTUVL-303-20-10, <b>303 nm</b> , 20 mW cw, <10% stability, laser head 209x88x74 mm	14.507,00	16.336,62	
<b>UV DPSS LASERS, RLTUVL-320 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>cw operation</b> , $M^2 < 2.0$ , divergence <1.5 mrad <b>available options:</b> fibercoupling, adjustable power <b>320nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTUVL-320-3-10, <b>320 nm</b> , 3 mW cw, <10% stability, laser head 209x88x74 mm	6.200,00	6.981,94	
RLTUVL-320-5-10, <b>320 nm</b> , 5 mW cw, <10% stability, laser head 209x88x74 mm	7.733,00	8.708,29	
RLTUVL-320-10-10, <b>320 nm</b> , 10 mW cw, <10% stability, laser head 209x88x74 mm	9.667,00	10.886,20	
RLTUVL-320-15-10, <b>320 nm</b> , 15 mW cw, <10% stability, laser head 209x88x74 mm	11.600,00	13.062,99	
RLTUVL-320-20-10, <b>320 nm</b> , 20 mW cw, <10% stability, laser head 209x88x74 mm	13.533,00	15.239,78	

UV DPSS Q-SWITCHED LASERS, RLTMPL-349 series	EUR	USD
 <p><b>Passively Q-switched Laser</b> options: - rep. rate 2-3 kHz - 10%, 5% and 3% power stability</p> <p><b>349 nm passively Q-switched</b></p>	1-3 pcs.	1-3 pcs.
RLTMPL-349-5-10, <b>349 nm</b> , 5 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	7.733,00	8.708,29
RLTMPL-349-10-10, <b>349 nm</b> , 10 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	8.700,00	9.797,24
RLTMPL-349-20-10, <b>349 nm</b> , 20 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	9.667,00	10.886,20
RLTMPL-349-30-10, <b>349 nm</b> , 30 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	11.600,00	13.062,99
UV DPSS Q-SWITCHED LASERS, RLTMPL-351 series	EUR	USD
 <p><b>Passively Q-switched Laser</b> options: - rep. rate 2-3 kHz - 10%, 5% and 3% power stability</p> <p><b>351 nm passively Q-switched</b></p>	1-3 pcs.	1-3 pcs.
RLTMPL-351-2-10, <b>351 nm</b> , 2 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	7.733,00	8.708,29
RLTMPL-351-3-10, <b>351 nm</b> , 3 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	8.700,00	9.797,24
RLTMPL-351-5-10, <b>351 nm</b> , 5 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	9.667,00	10.886,20
RLTMPL-351-10-10, <b>351 nm</b> , 10 mW , 2-3 kHz, ~4ns pulse, <10% stability, 80-250VAC	11.600,00	13.062,99
UV DPSS Q-SWITCHED PULSED LASERS, RLTMPL-355 series	EUR	USD
 <p><b>Passively Q-switched Laser</b> uncontrollable rep. rate 4-10kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability</p> <p><b>355 nm passively Q-switched</b></p>	1-3 pcs.	1-3 pcs.
RLTMPL-355-10-10, <b>355 nm</b> , 10 mW / 1 µJ, ~7ns pulse, <10% stability, 80-250 VAC	6.200,00	6.981,94
RLTMPL-355-30-10, <b>355 nm</b> , 30 mW / 4 µJ, ~7ns pulse, <10% stability, 80-250 VAC	7.233,00	8.145,23
RLTMPL-355-50-10, <b>355 nm</b> , 50 mW / 5 µJ, ~7ns pulse, <10% stability, 80-250 VAC	7.733,00	8.708,29
RLTMPL-355-100-10, <b>355 nm</b> , 100 mW / 10 µJ, ~7ns pulse, <10% stability, 80-250 VAC	9.667,00	10.886,20
RLTMPL-355-150-10, <b>355 nm</b> , 150 mW / 15 µJ, ~7ns pulse, <10% stability, 80-250 VAC	11.047,00	12.440,25
RLTMPL-355-200-10, <b>355 nm</b> , 200 mW / 30 µJ, ~7ns pulse, <10% stability, 80-250 VAC	11.600,00	13.062,99
RLTMPL-355-500-10, <b>355 nm</b> , 500 mW / 50 µJ, ~7ns pulse, <10% stability, 80-250 VAC	14.500,00	16.328,74
RLTMPL-355-1W-10, <b>355 nm</b> , 1 W / 40 µJ, ~10ns pulse, <10% stability, 80-250 VAC	18.133,00	20.419,93
UV DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-355SP series	EUR	USD
 <p><b>Passively Q-switched short pulse Laser</b> uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability</p> <p><b>355 nm passively Q-switched</b></p>	1-3 pcs.	1-3 pcs.
RLTMPL-355SP-10-10, <b>355 nm</b> , 10 mW / 1-2 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	7.733,00	8.708,29
RLTMPL-355SP-20-10, <b>355 nm</b> , 20 mW / 3 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	8.700,00	9.797,24
RLTMPL-355SP-50-10, <b>355 nm</b> , 50 mW / 7 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	11.600,00	13.062,99
UV DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-355 series	EUR	USD
 <p><b>AOM (Acusto-Optic Modulation) Q-switched Laser</b> 1 - 50 kHz, adjustable Option: 5% power stability 80-250 VAC power supply included</p> <p><b>355 nm AOM Q-switched</b></p>	1-3 pcs.	1-3 pcs.
RLTAOM-355-100-10, <b>355 nm</b> , 100 mW @ 10 kHz, 10 µJ, 10-15 ns pulse, <10% stability	11.600,00	13.062,99

RLTAOM-355-300-10, <b>355 nm</b> , 300 mW @ 10 kHz, 30 µJ, 10-15 ns pulse, <10% stability	13.533,00	15.239,78
RLTAOM-355-500-10, <b>355 nm</b> , 500 mW @ 10 kHz, 50 µJ, 10-15 ns pulse, <10% stability	14.507,00	16.336,62
<b>UV DPSS LASERS, RLTUVL-355 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>cw operation, M<sup>2</sup>&lt;2.0, divergence &lt;1.5 mrad</b>  <b>available options:</b> fibercoupling, adjustable power  <b>355 nm</b></p>		
	1-3 pcs.	1-3 pcs.
RLTUVL-355-1-10, <b>355 nm</b> , >1 mW cw, <10% stability, laser head 209x88x74 mm	6.200,00	6.981,94
RLTUVL-355-3-10, <b>355 nm</b> , >3 mW cw, <10% stability, laser head 209x88x74 mm	7.233,00	8.145,23
RLTUVL-355-5-10, <b>355 nm</b> , >5 mW cw, <10% stability, laser head 209x88x74 mm	7.733,00	8.708,29
RLTUVL-355-10-10, <b>355 nm</b> , >10 mW cw, <10% stability, laser head 209x88x74 mm	o.r.	o.r.
RLTUVL-355-15-10, <b>355 nm</b> , >15 mW cw, <10% stability, laser head 209x88x74 mm	o.r.	o.r.
<b>UV DPSS LASERS, RLTUVL-360 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>cw operation, M<sup>2</sup>&lt;2.0, divergence &lt;1.5 mrad</b>  <b>available options:</b> fibercoupling, adjustable power  <b>360 nm</b></p>		
	1-3 pcs.	1-3 pcs.
RLTUVL-360-10-10, <b>360 nm</b> , 10 mW cw, <10% stability, laser head 209x88x74 mm	5.167,00	5.818,66
RLTUVL-360-30-10, <b>360 nm</b> , 30 mW cw, <10% stability, laser head 209x88x74 mm	7.233,00	8.145,23
RLTUVL-360-50-10, <b>360 nm</b> , 50 mW cw, <10% stability, laser head 209x88x74 mm	7.733,00	8.708,29
RLTUVL-360-100-10, <b>360 nm</b> , 100 mW cw, <10% stability, laser head 209x88x74 mm	10.633,00	11.974,03
RLTUVL-360-150-10, <b>360 nm</b> , 150 mW cw, <10% stability, laser head 209x88x74 mm	18.133,00	20.419,93
RLTUVL-360-200-10, <b>360 nm</b> , 200 mW cw, <10% stability, laser head 209x88x74 mm	21.760,00	24.504,37
<b>UV LASER DIODE MODULES, RLTUVL-375 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b>  - 1% stability  - fibercoupling  - adjustable power  - modulation input</p>		
	1-9 pcs.	1-9 pcs.
RLTUVL-375-30-3, <b>375 nm</b> , 30 mW cw, stability <3%, laser head 141x46x73 mm	9.667,00	10.886,20
RLTUVL-375-50-3, <b>375 nm</b> , 50 mW cw, stability <3%, laser head 141x46x73 mm	10.633,00	11.974,03
RLTUVL-375-100-3, <b>375 nm</b> , 100 mW cw, stability <3%, laser head 141x46x73 mm	12.567,00	14.151,95
RLTUVL-375-150-3, <b>375 nm</b> , 150 mW cw, stability <3%, laser head 141x46x73 mm	14.500,00	16.328,74
<b>UV LASER DIODE MODULES, RLTUVL-395 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b>  - 1% stability  - fibercoupling  - adjustable power  - modulation input</p>		
	1-9 pcs.	1-9 pcs.
RLTUVL-395-20-3, <b>395 nm</b> , 20 mW cw, stability <3%, laser head 141x46x73 mm	4.213,00	4.744,34
RLTUVL-395-50-3, <b>395 nm</b> , 50 mW cw, stability <3%, laser head 141x46x73 mm	5.167,00	5.818,66
RLTUVL-395-80-3, <b>395 nm</b> , 100 mW cw, stability <3%, laser head 141x46x73 mm	6.200,00	6.981,94
RLTUVL-395-100-3, <b>395 nm</b> , 150 mW cw, stability <3%, laser head 141x46x73 mm	7.233,00	8.145,23
<b>UV LASER DIODE MODULES, RLTUVL-397 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b>  - 1% stability  - fibercoupling  - adjustable power  - modulation input</p>		
	1-9 pcs.	1-9 pcs.

RLTUVL-397-20-3, <b>397 nm</b> , 20 mW cw, stability <3%, laser head 141x46x73 mm	4.213,00	4.744,34
RLTUVL-397-50-3, <b>397 nm</b> , 50 mW cw, stability <3%, laser head 141x46x73 mm	5.167,00	5.818,66
RLTUVL-397-80-3, <b>397 nm</b> , 100 mW cw, stability <3%, laser head 141x46x73 mm	6.200,00	6.981,94
RLTUVL-397-100-3, <b>397 nm</b> , 150 mW cw, stability <3%, laser head 141x46x73 mm	7.233,00	8.145,23

## LASER SYSTEMS - VIOLET

VIOLET LASER DIODE MODULES, RLTMDL-400 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input <b>400 nm</b>		
	1-9 pcs.	1-9 pcs.
RLTMDL-400-50-5, <b>400 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-400-100-5, <b>400 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-400-200-5, <b>400 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMDL-400-400-5, <b>400 nm</b> , 400 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66
VIOLET LASER DIODE MODULES, RLTMDL-405 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input <b>405 nm</b>		
	1-9 pcs.	1-9 pcs.
RLTMDL-405-50-5, <b>405 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMDL-405-100-5, <b>405 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-405-200-5, <b>405 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-405-300-5, <b>405 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-405-500-5, <b>405 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
VIOLET LASER DIODE MODULES, RLTMLL-405 series LOW NOISE	EUR	USD
 <b>LOW NOISE</b> 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>405 nm LOW NOISE</b>		
	1-9 pcs.	1-9 pcs.
RLTMLL-405-50-5, <b>405 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.600,00	1.801,79
RLTMLL-405-100-5, <b>405 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.016,00	2.270,26
RLTMLL-405-200-5, <b>405 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.448,00	2.756,74
RLTMLL-405-300-5, <b>405 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.168,00	3.567,55
RLTMLL-405-500-5, <b>405 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.896,00	5.513,48
VIOLET LASER DIODE MODULES, RLTMDL-410 series	EUR	USD
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input <b>410 nm</b>		
	1-9 pcs.	1-9 pcs.
RLTMDL-410-50-5, <b>410 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMDL-410-100-5, <b>410 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-410-200-5, <b>410 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-410-300-5, <b>410 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-410-500-5, <b>410 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
VIOLET LASER DIODE MODULES, RLTMDL-415 series	EUR	USD

	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input <b>415nm</b>	1-9 pcs.	1-9 pcs.
RLTMDL-415-50-5, <b>415 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMDL-415-100-5, <b>415 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMDL-415-200-5, <b>415 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMDL-415-400-5, <b>415 nm</b> , 400 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	

## LASER SYSTEMS - BLUE

BLUE LASER DIODE MODULES, RLTMDL-442 series	EUR	USD	
	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>442 nm</b>	1-9 pcs.	1-9 pcs.
RLTMDL-442-20-5, <b>442 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMDL-442-30-5, <b>442 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMDL-442-50-5, <b>442 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
BLUE LASER DIODE MODULES, RLTMLL-442 series LOW NOISE	EUR	USD	
	LOW NOISE 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>442 nm</b>	1-9 pcs.	1-9 pcs.
RLTMLL-442-20-5, <b>442 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	3.039,00	3.422,28	
RLTMLL-442-30-5, <b>442 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.497,00	3.938,04	
RLTMLL-442-50-5, <b>442 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	4.320,00	4.864,84	
BLUE LASER DIODE MODULES, ULV-445 series	EUR	USD	
	low cost / high power -> ready to operate! - stability <3%, - divergence <2mrad - 20 kHz TTL modulation	1-9 pcs.	1-9 pcs.
ULV-445-300, <b>445+-5 nm</b> , 300 mW cw, stability <3%, TTL, 65x33x33 mm, <b>12 VDC</b>	198,00	222,97	
ULV-445-700, <b>445+-5 nm</b> , 700 mW cw, stability <3%, TTL, 65x33x33 mm, <b>12 VDC</b>	298,00	335,58	
BLUE LASER DIODE MODULES, RLTMDL-445 series	EUR	USD	
	80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>445 nm</b>	1-9 pcs.	1-9 pcs.
RLTMDL-445-200-5, <b>445 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.180,17	
RLTMDL-445-500-5, <b>445 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12	
RLTMDL-445-1W-5, <b>445 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97	
RLTMDL-445-2W-5, <b>445 nm</b> , 2 W cw, stability <5%, laser head 212x88x74 mm	2.533,00	2.852,46	
BLUE LASER DIODE MODULES, RLTMDL-447 series	EUR	USD	

	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>447 nm</b>		
		<b>1-9 pcs.</b>	<b>1-9 pcs.</b>
RLTMDL-447-200-5, <b>447 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		1.048,00	1.180,17
RLTMDL-447-500-5, <b>447 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm		1.333,00	1.501,12
RLTMDL-447-1W-5, <b>447 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm		1.538,00	1.731,97
RLTMDL-447-2W-5, <b>447 nm</b> , 2 W cw, stability <5%, laser head 212x88x74 mm		2.533,00	2.852,46
<b>BLUE LASER DIODE MODULES, RLTMDL-450 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>450 nm</b>		
		<b>1-9 pcs.</b>	<b>1-9 pcs.</b>
RLTMDL-450-200-5, <b>450 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		1.048,00	1.180,17
RLTMDL-450-500-5, <b>450 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm		1.333,00	1.501,12
RLTMDL-450-1W-5, <b>450 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm		1.538,00	1.731,97
RLTMDL-450-2W-5, <b>450 nm</b> , 2 W cw, stability <5%, laser head 212x88x74 mm		2.533,00	2.852,46
<b>BLUE LASER DIODE MODULES, RLTMDL-454 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>454 nm</b>		
		<b>1-9 pcs.</b>	<b>1-9 pcs.</b>
RLTMDL-454-30-5, <b>454 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm		1.990,00	2.240,98
RLTMDL-454-50-5, <b>454 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-454-80-5, <b>454 nm</b> , 80 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.281,51
<b>BLUE DPSS LASERS, RLTMBL-457 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% and 3% power stability, low noise, fibercoupling, adjustable power, modulation input <b>457 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMBL-457-10-10, <b>457 nm</b> , 10 mW cw, stability <10%, laser head 212 x 88 x 74 mm		1.520,00	1.711,70
RLTMBL-457-50-10, <b>457 nm</b> , 50 mW cw, stability <10%, laser head 212 x 88 x 74 mm		2.171,00	2.444,81
RLTMBL-457-100-10, <b>457 nm</b> , 100 mW cw, stability <10%, laser head 212 x 88 x 74 mm		2.533,00	2.852,46
RLTMBL-457-300-10, <b>457 nm</b> , 300 mW cw, stability <10%, laser head 212 x 88 x 74 mm		2.880,00	3.243,23
RLTMBL-457-500-10, <b>457 nm</b> , 500 mW cw, stability <10%, laser head 212 x 88 x 74 mm		3.600,00	4.054,03
RLTMBL-457-1W-10, <b>457 nm</b> , 1000 mW cw, stability <10%, laser head 235 x 99 x 94 mm		5.167,00	5.818,66
RLTMBL-457-2W-10, <b>457 nm</b> , 2000 mW cw, stability <10%, laser head 235 x 99 x 94 mm		7.233,00	8.145,23
<b>BLUE DPSS LASERS, RLTMBL-457 HIGH POWER series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>beam profile: TEM 01</b> <b>available options:</b> stability 5% and 3%, fibercoupling, adjustable power, modulation <b>457 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMBL-457-3W-10, <b>457 nm</b> , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm		9.667,00	10.886,20
RLTMBL-457-5W-10, <b>457 nm</b> , 5 W cw, stability <10%, laser head 333 x 140 x 125 mm		14.507,00	16.336,62
RLTMBL-457-10W-10, <b>457 nm</b> , 10 W cw, stability <10%, laser head 333 x 140 x 125 mm		29.013,00	32.672,12
<b>BLUE DPSS LASERS, RLTMLL-457 series LOW NOISE</b>		<b>EUR</b>	<b>USD</b>

	<b>LOW NOISE</b> (noise of amplitude <3%) 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling <b>457 nm</b>		
RLTMLL-457-10-10, <b>457 nm</b> , 10 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.154,00	3.551,78	1-3 pcs.
RLTMLL-457-50-10, <b>457 nm</b> , 50 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.457,00	3.893,00	1-3 pcs.
RLTMLL-457-100-10, <b>457 nm</b> , 100 mW cw, stability <10%, laser head 212 x 88 x 74 mm	3.771,00	4.246,60	1-3 pcs.
RLTMLL-457-300-10, <b>457 nm</b> , 300 mW cw, stability <10%, laser head 212 x 88 x 74 mm	4.032,00	4.540,52	1-3 pcs.
RLTMLL-457-500-10, <b>457 nm</b> , 500 mW cw, stability <10%, laser head 212 x 88 x 74 mm	4.665,00	5.253,35	1-3 pcs.
RLTMLL-457-1W-10, <b>457 nm</b> , 1000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	6.643,00	7.480,82	1-3 pcs.
RLTMLL-457-2W-10, <b>457 nm</b> , 2000 mW cw, stability <10%, laser head 235 x 99 x 94 mm	8.148,00	9.175,63	1-3 pcs.
<b>BLUE DPSS LASERS, RLTMLL-457 HIGH POWER series LOW NOISE</b>	<b>EUR</b>	<b>USD</b>	
	<b>LOW NOISE</b> (noise of amplitude <3%) 80-250 VAC power supply included available options: 5% and 3% stability, fibercoupling <b>457 nm</b>		
RLTMLL-457-3W-10, <b>457 nm</b> , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm	11.048,00	12.441,37	1-3 pcs.
RLTMLL-457-5W-10, <b>457 nm</b> , 5 W cw, stability <10%, laser head 333 x 140 x 125 mm	15.802,00	17.794,95	1-3 pcs.
RLTMLL-457-10W-10, <b>457 nm</b> , 10 W cw, stability <10%, laser head 333 x 140 x 125 mm	30.309,00	34.131,57	1-3 pcs.
<b>BLUE LASER DIODE MODULES, RLTMDL-460 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>460 nm</b>		
RLTMDL-460-200-5, <b>460 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98	1-9 pcs.
RLTMDL-460-500-5, <b>460 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	1-9 pcs.
RLTMDL-460-1W-5, <b>460 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	1-9 pcs.
<b>BLUE LASER DIODE MODULES, RLTMDL-460L series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included near TEM00 beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation		
RLTMDL-460L-30-5, <b>460 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	1-9 pcs.
RLTMDL-460L-50-5, <b>460 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	1-9 pcs.
RLTMDL-460L-80-5, <b>460 nm</b> , 80 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	1-9 pcs.
<b>BLUE LASER DIODE MODULES, RLTMDL-462 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input <b>462 nm</b>		
RLTMDL-462-50-5, <b>462 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	1-9 pcs.
RLTMDL-462-100-5, <b>462 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	1-9 pcs.
RLTMDL-462-300-5, <b>462 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	1-9 pcs.
RLTMDL-462-500-5, <b>462 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.423,40	1-9 pcs.
RLTMDL-462-1W-5, <b>462 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	1-9 pcs.
RLTMDL-462-1.5W-5, <b>462 nm</b> , 1.5 W cw, stability <5%, laser head 141x46x73 mm	7.233,00	8.145,23	1-9 pcs.
RLTMDL-462-2W-5, <b>462 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	8.700,00	9.797,24	1-9 pcs.
<b>BLUE LASER DIODE MODULES, RLTMDL-465 series</b>	<b>EUR</b>	<b>USD</b>	

	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation input <b>465 nm</b>		
		1-9 pcs.	1-9 pcs.
RLTMDL-465-50-5, <b>465 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMDL-465-100-5, <b>465 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMDL-465-300-5, <b>465 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMDL-465-500-5, <b>465 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.423,40	
RLTMDL-465-1W-5, <b>465 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	
RLTMDL-465-1.5W-5, <b>465 nm</b> , 1.5 W cw, stability <5%, laser head 141x46x73 mm	7.233,00	8.145,23	
RLTMDL-465-2W-5, <b>465 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	8.700,00	9.797,24	
<b>BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power, modulation input <b>473 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMBL-473-50-10, <b>473 nm</b> , 50 mW cw, stability <10%, laser head 140.8 x 73 x 46.2 mm	1.200,00	1.351,34	
RLTMBL-473-100-10, <b>473 nm</b> , 100 mW cw, stability <10%, laser head 140.8 x 73 x 46.2 mm	1.647,00	1.854,72	
RLTMBL-473-150-10, <b>473 nm</b> , 150 mW cw, stability <10%, laser head 140.8 x 73 x 46.2 mm	2.027,00	2.282,65	
<b>BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included beam profile: TEM 01 (nearTEM00 avail.) available options: stability 5% and 3%, fibercoupling, adjustable power, modulation <b>473 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMBL-473-200-10, <b>473 nm</b> , 200 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.171,00	2.444,81	
RLTMBL-473-300-10, <b>473 nm</b> , 300 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.533,00	2.852,46	
RLTMBL-473-500-10, <b>473 nm</b> , 500 mW cw, stability <10%, laser head 155 x 77 x 60 mm	3.960,00	4.459,44	
<b>BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-473 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included beam profile: TEM 01 available options: stability 5% and 3%, fibercoupling, adjustable power, modulation <b>473 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMBL-473-800-10, <b>473 nm</b> , 800 mW cw, stability <10%, laser head 235 x 99 x 94 mm	6.200,00	6.981,94	
RLTMBL-473-1W-10, <b>473 nm</b> , 1 W cw, stability <10%, laser head 235 x 99 x 94 mm	7.733,00	8.708,29	
RLTMBL-473-1.5W-10, <b>473 nm</b> , 1.5 W cw, stability <10%, laser head 235 x 99 x 94 mm	11.600,00	13.062,99	
<b>BLUE DPSS LASERS, RLTMLL-473 series LOW NOISE</b>	<b>EUR</b>	<b>USD</b>	
	LOW NOISE (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling <b>473 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMLL-473-30-10, <b>473 nm</b> , 30 mW cw, stability <10%, laser head 197 x 70 x 50 mm	2.678,00	3.015,75	
RLTMLL-473-50-10, <b>473 nm</b> , 50 mW cw, stability <10%, laser head 197 x 70 x 50 mm	2.709,00	3.050,66	
RLTMLL-473-100-10, <b>473 nm</b> , 100 mW cw, stability <10%, laser head 197 x 70 x 50 mm	2.880,00	3.243,23	
RLTMLL-473-300-10, <b>473 nm</b> , 300 mW cw, stability <10%, laser head 197 x 70 x 50 mm	3.960,00	4.459,44	
RLTMLL-473-500-10, <b>473 nm</b> , 500 mW cw, stability <10%, laser head 197 x 70 x 50 mm	5.167,00	5.818,66	
<b>BLUE SINGLE LONGITUDINAL MODE DPSS LASERS, RLTMSL-473 series</b>	<b>EUR</b>	<b>USD</b>	

	<b>SINGLE LONGITUDINAL MODE</b> 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling <b>473 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>

RLTMSL-473-20-10, <b>473 nm</b> , 20 mW cw, stability <10%, Coherence >50m, noise <0.5%	5.905,00	6.649,74
RLTMSL-473-30-10, <b>473 nm</b> , 30 mW cw, stability <10%, Coherence >50m, noise <0.5%	6.200,00	6.981,94
RLTMSL-473-50-10, <b>473 nm</b> , 50 mW cw, stability <10%, Coherence >50m, noise <0.5%	7.233,00	8.145,23
RLTMSL-473-100-10, <b>473 nm</b> , 100 mW cw, stability <10%, Coherence >50m, noise <0.5%	7.733,00	8.708,29

<b>BLUE DIODE PUMPED SOLID STATE LASERS, RLTMBL-480 series</b>	<b>EUR</b>	<b>USD</b>
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	80-250 VAC power supply included available options: fibercoupling, adjustable power <b>480 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>

RLTMBL-480-10-10, <b>480 nm</b> , 10 mW cw, stability <10%, laser head 155 x 77 x 60 mm	2.533,00	2.852,46
RLTMBL-480-20-10, <b>480 nm</b> , 20 mW cw, stability <10%, laser head 155 x 77 x 60 mm	3.600,00	4.054,03
RLTMBL-480-30-10, <b>480 nm</b> , 30 mW cw, stability <10%, laser head 155 x 77 x 60 mm	4.213,00	4.744,34
RLTMBL-480-50-10, <b>480 nm</b> , 50 mW cw, stability <10%, laser head 235 x 99 x 94 mm	6.200,00	6.981,94
RLTMBL-480-100-10, <b>480 nm</b> , 100 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.733,00	8.708,29
RLTMBL-480-150-10, <b>480 nm</b> , 150 mW cw, stability <10%, laser head 235 x 99 x 94 mm	11.600,00	13.062,99

## LASER SYSTEMS - CYAN

<b>CYAN LASER DIODE MODULES, RLTMDL-488 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 1% stability, low noise, fibercoupling, adjustable power, modulation <b>488 nm</b>	

RLTMDL-488-20-3, <b>488 nm</b> , 20 mW cw, stability <3%, laser head 141x46x73 mm	5.166,00	5.817,54
RLTMDL-488-50-3, <b>488 nm</b> , 50 mW cw, stability <3%, laser head 141x46x73 mm	7.233,00	8.145,23
RLTMDL-488-100-3, <b>488 nm</b> , 100 mW cw, stability <3%, laser head 141x46x73 mm	14.500,00	16.328,74
RLTMDL-488-150-3, <b>488 nm</b> , 200 mW cw, stability <3%, laser head 141x46x73 mm	15.413,00	17.356,89

<b>CYAN DPSS LASERS, RLTMBL-491 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: fibercoupling, adjustable power <b>491 nm</b>	

RLTMBL-491-1-10, <b>491 nm</b> , 1 mW cw, stability <10%, laser head 155 x 77 x 60 mm	3.600,00	4.054,03
RLTMBL-491-2-10, <b>491 nm</b> , 2 mW cw, stability <10%, laser head 155 x 77 x 60 mm	4.213,00	4.744,34

<b>CYAN DPSS LASERS, RLTMGL-500 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: fibercoupling, adjustable power <b>500.8 nm</b>	

RLTMGL-500-1-10, <b>500.8 nm</b> , 1 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMGL-500-2-10, <b>500.8 nm</b> , 2 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.744,34

## LASER SYSTEMS - GREEN

<b>GREEN LASER DIODE MODULES, RLTMDL-510 series</b>	<b>EUR</b>	<b>USD</b>
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	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>510 nm</b>	<b>1-9 pcs.</b>	<b>1-9 pcs.</b>
RLTMDL-510-10-5, <b>510 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98	
RLTMDL-510-20-5, <b>510 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMDL-510-30-5, <b>510 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
<b>GREEN LASER DIODE MODULES, RLTMDL-514 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>514.5 nm</b>	<b>1-9 pcs.</b>	<b>1-9 pcs.</b>
RLTMDL-514-10-5, <b>514 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMDL-514-20-5, <b>514 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMDL-514-30-5, <b>514 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.929,00	4.424,53	
<b>GREEN DPSS LASERS, RLTMGL-515 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> fibercoupling, adjustable power <b>515 nm</b>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-515-10-10, <b>515 nm</b> , 10 mW cw, stability <10%, laser head 212x88x74 mm	2.533,00	2.852,46	
RLTMGL-515-30-10, <b>515 nm</b> , 30 mW cw, stability <10%, laser head 212x88x74 mm	3.600,00	4.054,03	
RLTMGL-515-50-10, <b>515 nm</b> , 50 mW cw, stability <10%, laser head 212x88x74 mm	4.213,00	4.744,34	
RLTMGL-515-100-10, <b>515 nm</b> , 100 mW cw, stability <10%, laser head 212x88x74 mm	7.233,00	8.145,23	
<b>GREEN DPSS LASERS, RLTMGL-N-515 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% stability, fibercoupling, adjustable power, modulation <b>515 nm</b>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-515-150-10, <b>515 nm</b> , 150 mW cw, stability <10%, laser head 240x99x94 mm	9.667,00	10.886,20	
RLTMGL-515-200-10, <b>515 nm</b> , 200 mW cw, stability <10%, laser head 333x140x125 mm	11.600,00	13.062,99	
RLTMGL-515-300-10, <b>515 nm</b> , 300 mW cw, stability <10%, laser head 333x140x125 mm	13.533,00	15.239,78	
RLTMGL-515-400-10, <b>515 nm</b> , 400 mW cw, stability <10%, laser head 333x140x125 mm	14.507,00	16.336,62	
RLTMGL-515-500-10, <b>515 nm</b> , 500 mW cw, stability <10%, laser head 333x140x125 mm	16.320,00	18.378,28	
<b>GREEN LASER DIODE MODULES, RLTMDL-520 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 1% stability, low noise, fibercoupling, adjustable power, modulation <b>520 nm</b>	<b>1-9 pcs.</b>	<b>1-9 pcs.</b>
RLTMDL-520-100-3, <b>520 nm</b> , 100 mW cw, stability <3%, laser head 141x46x73 mm	1.538,00	1.731,97	
RLTMDL-520-300-3, <b>520 nm</b> , 300 mW cw, stability <3%, laser head 141x46x73 mm	1.809,00	2.037,15	
RLTMDL-520-500-3, <b>520 nm</b> , 500 mW cw, stability <3%, laser head 141x46x73 mm	2.081,00	2.343,46	
RLTMDL-520-1W-3, <b>520 nm</b> , 1 W cw, stability <3%, laser head 141x46x73 mm	2.533,00	2.852,46	
<b>GREEN DPSS LASERS, RLTMGL-522 series</b>	<b>EUR</b>	<b>USD</b>	

	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched <b>522 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-522-10-10, <b>522 nm</b> , 10 mW cw, stability <10%, laser head 197x70x50mm	4.213,00	4.744,34	
RLTMGL-522-30-10, <b>522 nm</b> , 30 mW cw, stability <10%, laser head 197x70x50mm	5.167,00	5.818,66	
RLTMGL-522-50-10, <b>522 nm</b> , 50 mW cw, stability <10%, laser head 197x70x50mm	6.200,00	6.981,94	
RLTMGL-522-80-10, <b>522 nm</b> , 80 mW cw, stability <10%, laser head 197x70x50mm	7.733,00	8.708,29	
RLTMGL-522-100-10, <b>522 nm</b> , 100 mW cw, stability <10%, laser head 197x70x50mm	9.667,00	10.886,20	
<b>GREEN DPSS LASERS, RLTMGL-523 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched <b>523.5 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-523-10-10, <b>523.5 nm</b> , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMGL-523-30-10, <b>523.5 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.243,23	
RLTMGL-523-50-10, <b>523.5 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMGL-523-100-10, <b>523.5 nm</b> , 100 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.744,34	
RLTMGL-523-300-10, <b>523.5 nm</b> , 300 mW cw, stability <10%, laser head 240x99x94 mm	7.733,00	8.708,29	
RLTMGL-523-500-10, <b>523.5 nm</b> , 500 mW cw, stability <10%, laser head 240x99x94 mm	8.700,00	9.797,24	
RLTMGL-523-800-10, <b>523.5 nm</b> , 800 mW cw, stability <10%, laser head 240x99x94 mm	10.633,00	11.974,03	
<b>GREEN DPSS LASERS, RLTMGL-526 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% power stability, low noise, fibercoupling, adjustable power, single mode, Q-switched <b>526.5 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-526-10-10, <b>526.5 nm</b> , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.714,00	3.056,29	
RLTMGL-526-30-10, <b>526.5 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMGL-526-50-10, <b>526.5 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMGL-526-100-10, <b>526.5 nm</b> , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.929,00	4.424,53	
RLTMGL-526-200-10, <b>526.5 nm</b> , 200 mW cw, stability <10%, laser head 141x46x73 mm	4.665,00	5.253,35	
RLTMGL-526-300-10, <b>526.5 nm</b> , 300 mW cw, stability <10%, laser head 240x99x94 mm	7.233,00	8.145,23	
RLTMGL-526-500-10, <b>526.5 nm</b> , 500 mW cw, stability <10%, laser head 240x99x94 mm	7.733,00	8.708,29	
RLTMGL-526-1W-10, <b>526.5 nm</b> , 1 W cw, stability <10%, laser head 240x99x94 mm	10.633,00	11.974,03	
<b>GREEN DPSS LASERS, RLTMGL-532 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% power stability, fibercoupling, adjustable power, modulation <b>532 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-532-200-5, <b>532 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.067,00	1.201,57	
RLTMGL-532-300-5, <b>532 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12	
RLTMGL-532-500-5, <b>532 nm</b> , 500 mW cw, stability <5%, laser head 153x77x60 mm	1.520,00	1.711,70	
RLTMGL-532-1W-5, <b>532 nm</b> , 1 W cw, stability <5%, laser head 153x77x60 mm	2.027,00	2.282,65	
RLTMGL-532-1.5W-5, <b>532 nm</b> , 1.5 W cw, stability <5%, laser head 209x88x74 mm	2.533,00	2.852,46	
RLTMGL-532-2W-5, <b>532 nm</b> , 2 W cw, stability <5%, laser head 209x88x74 mm	2.880,00	3.243,23	
RLTMGL-532-2.5W-5, <b>532 nm</b> , 2.5 W cw, stability <5%, laser head 209x88x74 mm	3.600,00	4.054,03	
RLTMGL-532-3W-5, <b>532 nm</b> , 3 W cw, stability <5%, laser head 209x88x74 mm	4.213,00	4.744,34	
<b>GREEN DPSS LASERS, RLTMGL-532 HIGH POWER series</b>	<b>EUR</b>	<b>USD</b>	

	<b>80-250 VAC power supply included</b> <b>available options:</b> stability 10%, 3%, 1%, fibercoupling, adjustable power, modulation <b>532 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-532-5W-5, <b>532 nm</b> , 5 W cw, stability <5%, laser head 240x99x94 mm		8.700,00	9.797,24
RLTMGL-532-8W-5, <b>532 nm</b> , 8 W cw, stability <5%, laser head 333x140x125 mm		11.600,00	13.062,99
RLTMGL-532-10W-5, <b>532 nm</b> , 10 W cw, stability <5%, laser head 333x140x125 mm		14.507,00	16.336,62
RLTMGL-532-15W-5, <b>532 nm</b> , 15 W cw, stability <5%, laser head 333x140x125 mm		21.760,00	24.504,37
RLTMGL-532-20W-5, <b>532 nm</b> , 20 W cw, stability <5%, laser head 333x140x125 mm		36.267,00	40.840,99
<b>GREEN DPSS LOW NOISE LASERS, RLTMLL-532 series</b>		<b>EUR</b>	<b>USD</b>
	<b>LOW NOISE</b> <b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% power stability, fibercoupling <b>532 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMLL-532-200-5, <b>532 nm</b> , 200 mW cw, stability <5%, noise <1%		1.280,40	1.441,88
RLTMLL-532-300-5, <b>532 nm</b> , 300 mW cw, stability <5%, noise <1%		1.599,60	1.801,34
RLTMLL-532-500-5, <b>532 nm</b> , 500 mW cw, stability <5%, noise <1%		1.824,00	2.054,04
RLTMLL-532-1W-5, <b>532 nm</b> , 1 W cw, stability <5%, noise <1%		2.432,40	2.739,17
RLTMLL-532-1.5W-5, <b>532 nm</b> , 1.5 W cw, stability <5%, noise <1%		3.039,60	3.422,95
RLTMLL-532-2W-5, <b>532 nm</b> , 2 W cw, stability <5%, noise <1%		3.456,00	3.891,87
RLTMLL-532-2.5W-5, <b>532 nm</b> , 2.5 W cw, stability <5%, noise <1%		4.320,00	4.864,84
RLTMLL-532-3W-5, <b>532 nm</b> , 3 W cw, stability <5%, noise <1%		5.055,60	5.693,21
<b>GREEN DPSS LOW NOISE LASERS, RLTMLL-532 HIGH POWER series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> stability, 3%, 1%, fibercoupling, adjustable power, modulation <b>532 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMLL-532-5W-5, <b>532 nm</b> , 5 W cw, stability <5%, noise <1%		10.440,00	11.756,69
RLTMLL-532-8W-5, <b>532 nm</b> , 8 W cw, stability <5%, noise <1%		13.920,00	15.675,59
RLTMLL-532-10W-5, <b>532 nm</b> , 10 W cw, stability <5%, noise <1%		17.408,40	19.603,95
RLTMLL-532-15W-5, <b>532 nm</b> , 15 W cw, stability <5%, noise <1%		26.112,00	29.405,25
RLTMLL-532-20W-5, <b>532 nm</b> , 20 W cw, stability <5%, noise <1%		43.520,40	49.009,19
<b>GREEN DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSL-532 series</b>		<b>EUR</b>	<b>USD</b>
	<b>SINGLE LONGITUDINAL MODE</b> <b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% power stability, fibercoupling <b>532 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMSL-532-50-5, <b>532 nm</b> , 50 mW cw, stability <5%, noise <0.5%		2.533,00	2.852,46
RLTMSL-532-100-5, <b>532 nm</b> , 100 mW cw, stability <5%, noise <0.5%		2.880,00	3.243,23
RLTMSL-532-200-5, <b>532 nm</b> , 200 mW cw, stability <5%, noise <0.5%		4.213,00	4.744,34
RLTMSL-532-300-5, <b>532 nm</b> , 300 mW cw, stability <5%, noise <0.5%		6.200,00	6.981,94
RLTMSL-532-500-5, <b>532 nm</b> , 500 mW cw, stability <5%, noise <0.5%		9.667,00	10.886,20
RLTMSL-532-1W-5, <b>532 nm</b> , 1000 mW cw, stability <5%, noise <0.5%		14.507,00	16.336,62
RLTMSL-532-2W-5, <b>532 nm</b> , 2000 mW cw, stability <5%, noise <0.5%		16.320,00	18.378,28
RLTMSL-532-3W-5, <b>532 nm</b> , 3000 mW cw, stability <5%, noise <0.5%		18.133,00	20.419,93
RLTMSL-532-5W-5, <b>532 nm</b> , 5000 mW cw, stability <5%, noise <0.5%		25.387,00	28.588,81
<b>GREEN Q-SWITCHED PULSED LASERS, RLTMPM-532 series</b>		<b>EUR</b>	<b>USD</b>

	<b>Passively Q-switched Laser</b> uncontrollable rep. rate 5-20kHz (unstable) options: - controllable rep. rate 1-4 kHz - 3% and 1% power stability		
<b>532 nm passively Q-switched</b>			
RLTMPL-532-10-5, <b>532 nm</b> , 10mW avg., pulse length ~10ns, <5% stability	1-3 pcs.	3.600,00	4.054,03
RLTMPL-532-20-5, <b>532 nm</b> , 20 mW avg., pulse length ~10ns, <5% stability	1-3 pcs.	4.213,00	4.744,34
RLTMPL-532-50-5, <b>532 nm</b> , 50 mW avg., pulse length ~10ns, <5% stability	1-3 pcs.	5.166,00	5.817,54
RLTMPL-532-100-5, <b>532 nm</b> , 100 mW avg., pulse length ~10ns, <5% stability	1-3 pcs.	6.200,00	6.981,94
RLTMPL-532-300-5, <b>532 nm</b> , 300 mW avg., pulse length ~5ns, <5% stability	1-3 pcs.	7.733,00	8.708,29
RLTMPL-532-500-5, <b>532 nm</b> , 500 mW avg., pulse length ~5ns, <5% stability	1-3 pcs.	8.700,00	9.797,24
RLTMPL-532-1W-5, <b>532 nm</b> , 1 W mW avg., pulse length ~5ns, <5% stability	1-3 pcs.	9.667,00	10.886,20
RLTMPL-532-2W-5, <b>532 nm</b> , 2 W mW avg., pulse length ~5ns, <5% stability	1-3 pcs.	11.600,00	13.062,99
RLTMPL-532-3W-5, <b>532 nm</b> , 3 W mW avg., pulse length ~5ns, <5% stability	1-3 pcs.	14.507,00	16.336,62
<b>GREEN DPSS PASSIVELY Q-SWITCHED LASERS, RLTMPL-532SP series</b>		<b>EUR</b>	<b>USD</b>
	<b>Passively Q-switched short pulse Laser</b> uncontrollable rep. rate 5-7kHz (unstable) options: - controllable rep. rate 1-4 kHz - 5% and 3% power stability		
<b>532 nm passively Q-switched</b>			
RLTMPL-532SP-3UJ-10, <b>532 nm</b> , 3 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	1-3 pcs.	7.733,00	8.708,29
RLTMPL-532SP-5UJ-10, <b>532 nm</b> , 5 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	1-3 pcs.	8.700,00	9.797,24
RLTMPL-532SP-10UJ-10, <b>532 nm</b> , 10 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	1-3 pcs.	11.600,00	13.062,99
RLTMPL-532SP-20UJ-10, <b>532 nm</b> , 20 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	1-3 pcs.	13.533,00	15.239,78
RLTMPL-532SP-30UJ-10, <b>532 nm</b> , 30 µJ, ~1.3 ns pulse, <10% stability, 80-250VAC	1-3 pcs.	14.507,00	16.336,62
<b>GREEN DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-532 series</b>		<b>EUR</b>	<b>USD</b>
	<b>AOM (Acusto-Optic Modulation) Q-switched Laser</b> 1 - 50 kHz, adjustable Option: 5%, 3%, 1% power stability, 1-200 kHz 80-250 VAC power supply included		
<b>532 nm AOM Q-switched</b>			
RLTAOL-532-100-10, <b>532 nm</b> , 100 mW @ 10 kHz, 10µJ, 8-15 ns pulse, <10% stability	1-3 pcs.	9.667,00	10.886,20
RLTAOL-532-300-10, <b>532 nm</b> , 300 mW @ 10 kHz, 30 µJ, 8-15 ns pulse, <10% stability	1-3 pcs.	11.600,00	13.062,99
RLTAOL-532-500-10, <b>532 nm</b> , 500 mW @ 10 kHz, 50 µJ, 8-15 ns pulse, <10% stability	1-3 pcs.	13.533,00	15.239,78
RLTAOL-532-1W-10, <b>532 nm</b> , 1 W @ 10 kHz, 100 µJ, 5-30 ns pulse, <10% stability	1-3 pcs.	14.507,00	16.336,62
RLTAOL-532-2W-10, <b>532 nm</b> , 2 W @ 10 kHz, 200 µJ, 5-30 ns pulse, <10% stability	1-3 pcs.	18.133,00	20.419,93
<b>GREEN DPSS LASERS, RLTMGL-543 series</b>		<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included <b>available options:</b> 5% and 3% power stability, fibercoupling, adjustable power, modulation, low noise		
<b>543 nm</b>			
RLTMGL-543-30-10, <b>543 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	1-3 pcs.	2.533,00	2.852,46
RLTMGL-543-50-10, <b>543 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	1-3 pcs.	3.600,00	4.054,03
RLTMGL-543-100-10, <b>543 nm</b> , 100 mW cw, stability <10%, laser head 141x46x73 mm	1-3 pcs.	4.213,00	4.744,34
RLTMGL-543-200-10, <b>543 nm</b> , 200 mW cw, stability <10%, laser head 235x99x94 mm	1-3 pcs.	6.200,00	6.981,94
RLTMGL-543-500-10, <b>543 nm</b> , 500 mW cw, stability <10%, laser head 235x99x94 mm	1-3 pcs.	9.667,00	10.886,20
RLTMGL-543-1W-10, <b>543 nm</b> , 1 W cw, stability <10%, laser head 235x99x94 mm	1-3 pcs.	13.533,00	15.239,78
RLTMGL-543-1.5W-10, <b>543 nm</b> , 1.5 W cw, stability <10%, laser head 235x99x94 mm	1-3 pcs.	14.507,00	16.336,62
<b>GREEN DPSS LASERS, RLTMGL-556 series</b>		<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% power stability, low noise, fibercoupling, adjustable power, modulation <b>556 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMGL-556-50-10, <b>556 nm</b> , 50 mW cw, stability <10%, laser head 197x70x50 mm	2.880,00	3.243,23	
RLTMGL-556-100-10, <b>556 nm</b> , 100 mW cw, stability <10%, laser head 197x70x50 mm	4.213,00	4.744,34	
RLTMGL-556-200-10, <b>556 nm</b> , 200 mW cw, stability <10%, laser head 197x70x50 mm	5.167,00	5.818,66	
RLTMGL-556-500-10, <b>556 nm</b> , 500 mW cw, stability <10%, laser head 235x99x94 mm	8.700,00	9.797,24	
RLTMGL-556-1W-10, <b>556 nm</b> , 1 W cw, stability <10%, laser head 235x99x94 mm	11.600,00	13.062,99	
RLTMGL-556-2W-10, <b>556 nm</b> , 2 W cw, stability <10%, laser head 333x140x125 mm	16.320,00	18.378,28	
<b>GREEN DPSS LASERS, RLTMGL-561 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> low noise, fibercoupling, adjustable power <b>561 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMGL-561-10-5, <b>561 nm</b> , 10 mW cw, stability <5%, laser head 197x70x50 mm	2.533,00	2.852,46	
RLTMGL-561-30-5, <b>561 nm</b> , 30 mW cw, stability <5%, laser head 197x70x50 mm	2.880,00	3.243,23	
RLTMGL-561-50-5, <b>561 nm</b> , 50 mW cw, stability <5%, laser head 197x70x50 mm	3.600,00	4.054,03	
RLTMGL-561-100-5, <b>561 nm</b> , 100 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.818,66	
RLTMGL-561-200-5, <b>561 nm</b> , 200 mW cw, stability <5%, laser head 197x70x50 mm	7.233,00	8.145,23	
RLTMGL-561-300-5, <b>561 nm</b> , 300 mW cw, stability <5%, laser head 235x99x94 mm	8.700,00	9.797,24	
RLTMGL-561-500-5, <b>561 nm</b> , 500 mW cw, stability <5%, laser head 235x99x94 mm	10.633,00	11.974,03	
RLTMGL-561-1W-5, <b>561 nm</b> , 1 W cw, stability <5%, laser head 235x99x94 mm	15.413,00	17.356,89	
RLTMGL-561-2W-5, <b>561 nm</b> , 2 W cw, stability <5%, laser head 333x140x125 mm	18.133,00	20.419,93	
<b>GREEN DPSS LASERS, RLTMGL-561 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>LOW NOISE</b> (noise of amplitude <1%) <b>80-250 VAC power supply included</b> <b>available options:</b> <3% and <1% power stability, fibercoupling <b>561 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMLL-561-10-5, <b>561 nm</b> , 10 mW cw, stability <5%, noise <1%	3.772,00	4.247,72	
RLTMLL-561-30-5, <b>561 nm</b> , 30 mW cw, stability <5%, noise <1%	4.033,00	4.541,64	
RLTMLL-561-50-5, <b>561 nm</b> , 50 mW cw, stability <5%, noise <1%	4.665,00	5.253,35	
RLTMLL-561-100-5, <b>561 nm</b> , 100 mW cw, stability <5%, noise <1%	6.643,00	7.480,82	
RLTMLL-561-200-5, <b>561 nm</b> , 200 mW cw, stability <5%, noise <1%	8.148,00	9.175,63	
<b>LASER SYSTEMS - YELLOW</b>			
<b>YELLOW DPSS LASERS, RLTMGL-589 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> <5% and <3% power stability, fibercoupling, adjustable power <b>589 nm</b>		
		1-3 pcs.	1-3 pcs.
RLTMGL-589-10-10, <b>589 nm</b> , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMGL-589-30-10, <b>589 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.243,23	
RLTMGL-589-50-10, <b>589 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMGL-589-100-10, <b>589 nm</b> , 100 mW cw, stability <10%, laser head 212x88x74 mm	5.167,00	5.818,66	
RLTMGL-589-200-10, <b>589 nm</b> , 200 mW cw, stability <10%, laser head 212x88x74 mm	6.200,00	6.981,94	
<b>YELLOW DPSS LASERS, RLTMGL-589 series HIGH POWER</b>	<b>EUR</b>	<b>USD</b>	

	<b>80-250 VAC power supply included available options: &lt;5% and &lt;3% stability, low noise, fibercoupling, adjustable power</b> <b>589 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>

RLTMGL-589-300-10, <b>589 nm</b> , 300 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.233,00	8.145,23
RLTMGL-589-500-10, <b>589 nm</b> , 500 mW cw, stability <10%, laser head 235 x 99 x 94 mm	7.733,00	8.708,29
RLTMGL-589-1W-10, <b>589 nm</b> , 1 W cw, stability <10%, laser head 333 x 140 x 125 mm	11.600,00	13.062,99
RLTMGL-589-2W-10, <b>589 nm</b> , 2 W cw, stability <10%, laser head 333 x 140 x 125 mm	14.500,00	16.328,74
RLTMGL-589-3W-10, <b>589 nm</b> , 3 W cw, stability <10%, laser head 333 x 140 x 125 mm	16.320,00	18.378,28

<b>YELLOW DPSS LASERS, RLTMGL-593.5 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power</b> <b>593.5 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>

RLTMGL-593-10-10, <b>593.5 nm</b> , 10 mW cw, stability <10%, laser head 141x46x73 mm	2.027,00	2.282,65
RLTMGL-593-30-10, <b>593.5 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMGL-593-50-10, <b>593.5 nm</b> , 50 mW cw, stability <10%, laser head 212x74x88 mm	3.960,00	4.459,44
RLTMGL-593-100-10, <b>593.5 nm</b> , 100 mW cw, stability <10%, laser head 212x74x88 mm	4.635,00	5.219,57

<b>YELLOW DPSS LASERS, RLTMGL-593.5 series HIGH POWER</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power</b> <b>593.5 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMGL-593-200-10, <b>593.5 nm</b> , 200 mW cw, stability <10%, laser head 235x99x94 mm	7.733,00	8.708,29	
RLTMGL-593-500-10, <b>593.5 nm</b> , 500 mW cw, stability <10%, laser head 333x125x140 mm	13.533,00	15.239,78	
RLTMGL-593-800-10, <b>593.5 nm</b> , 800 mW cw, stability <10%, laser head 333x125x140 mm	16.320,00	18.378,28	

## LASER SYSTEMS - ORANGE

<b>ORANGE DPSS LASERS, RLTMRML-604 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>

RLTMRL-604-10-5, <b>604 nm</b> , 10 mW cw, stability <5%, laser head 197x70x50 mm	4.213,00	4.744,34
RLTMRL-604-30-5, <b>604 nm</b> , 30 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.818,66
RLTMRL-604-50-5, <b>604 nm</b> , 50 mW cw, stability <5%, laser head 197x70x50 mm	6.200,00	6.981,94

<b>ORANGE DPSS LASERS, RLTMRML-607 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included available options: 5% and 3% power stability, low noise, fibercoupling, adjustable power</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-607-30-5, <b>607 nm</b> , 30 mW cw, stability <5%, laser head 197x70x50 mm	4.213,00	4.744,34	
RLTMRL-607-50-5, <b>607 nm</b> , 50 mW cw, stability <5%, laser head 197x70x50 mm	5.167,00	5.818,66	
RLTMRL-607-80-5, <b>607 nm</b> , 80 mW cw, stability <5%, laser head 197x70x50 mm	6.200,00	6.981,94	
RLTMRL-607-100-5, <b>607 nm</b> , 100 mW cw, stability <5%, laser head 197x70x50 mm	7.733,00	8.708,29	
RLTMRL-607-200-5, <b>607 nm</b> , 200 mW cw, stability <5%, laser head 197x70x50 mm	11.600,00	13.062,99	
RLTMRL-607-300-5, <b>607 nm</b> , 300 mW cw, stability <5%, laser head 197x70x50 mm	14.507,00	16.336,62	

<b>ORANGE LASER DIODE MODULES, RLTMRML-622 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>square beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>622 nm</b>		
RLTMRL-622-10-5, <b>622 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMRL-622-20-5, <b>622 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	3.229,00	3.636,24	
RLTMRL-622-30-5, <b>622 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	4.665,00	5.253,35	
RLTMRL-622-50-5, <b>622 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	
<b>ORANGE LASER DIODE MODULES, RLTMRL-627 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>near TEM00 beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>627 nm</b>		
RLTMRL-627-10-5, <b>627 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMRL-627-30-5, <b>627 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMRL-627-50-5, <b>627 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.929,00	4.424,53	
RLTMRL-627-80-5, <b>627 nm</b> , 80 mW cw, stability <5%, laser head 141x46x73 mm	4.665,00	5.253,35	
RLTMRL-627-100-5, <b>627 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	

## LASER SYSTEMS - RED

<b>RED LASER DIODE MODULES, RLTMRL-633 series</b>	<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>near TEM00 beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>633 nm</b>	
RLTMRL-633-20-5, <b>633 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.180,17
RLTMRL-633-50-5, <b>633 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMRL-633-100-5, <b>633 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
<b>RED LASER DIODE MODULES, RLTMRL-635 series</b>	<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>square beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>635 nm</b>	
RLTMRL-635-300-5, <b>635 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	733,00	825,45
RLTMRL-635-500-5, <b>635 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.180,17
RLTMRL-635-800-5, <b>635 nm</b> , 800 mW cw, stability <5%, laser head 180x86x65 mm	1.990,00	2.240,98
<b>RED ROUND SPOT LASER DIODE MODULES, RLTMRL-635R series</b>	<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>round spot beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation <b>635 nm ROUND SPOT</b>	
RLTMRL-635R-50-5, <b>635 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMRL-635R-100-5, <b>635 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMRL-635R-150-5, <b>635 nm</b> , 150 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
<b>RED LASER DIODE MODULES, RLTMRL-637 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>square beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>637 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-637-100-5, <b>637 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		1.048,00	1.180,17
RLTMRL-637-200-5, <b>637 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		1.333,00	1.501,12
<b>RED DPSS LASERS, RLTMR-639 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% and 3% power stability, low noise, fibercoupling, adjustable power		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-639-50-5, <b>639 nm</b> , 50 mW cw, stability <5%, laser head 197x70x50 mm		3.929,00	4.424,53
RLTMRL-639-100-5, <b>639 nm</b> , 100 mW cw, stability <5%, laser head 197x70x50 mm		4.665,00	5.253,35
RLTMRL-639-300-5, <b>639 nm</b> , 300 mW cw, stability <5%, laser head 197x70x50 mm		5.167,00	5.818,66
RLTMRL-639-500-5, <b>639 nm</b> , 500 mW cw, stability <5%, laser head 197x70x50 mm		6.200,00	6.981,94
RLTMRL-639-700-5, <b>639 nm</b> , 700 mW cw, stability <5%, laser head 197x70x50 mm		7.233,00	8.145,23
<b>RED LASER DIODE MODULES, RLTMR-640 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>round spot beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>640 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-640-100-5, <b>640 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		900,00	1.013,51
RLTMRL-640-200-5, <b>640 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		1.333,00	1.501,12
<b>RED LASER DIODE MODULES, RLTMR-655 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>square beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>655 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-655-500-5, <b>655 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm		900,00	1.013,51
RLTMRL-655-1W-5, <b>655 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm		1.538,00	1.731,97
<b>RED ROUND SPOT LASER DIODE MODULES, RLTMR-655R series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>round spot beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation <b>655 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-655R-50-5, <b>655 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm		1.990,00	2.240,98
RLTMRL-655R-100-5, <b>655 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMRL-655R-200-5, <b>655 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	4.054,03
<b>RED DPSS LASERS, RLTMR-656 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% and 3% power stability, fibercoupling, adjustable power, Q-switched <b>656.5 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-656-20-10, <b>656.5 nm</b> , 20 mW cw, stability <10%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMRL-656-30-10, <b>656.5 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm		3.600,00	4.054,03
RLTMRL-656-50-10, <b>656.5 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm		4.213,00	4.744,34

RLTMRL-656-100-10, <b>660 nm</b> , 200 mW cw, stability <10%, laser head 235x99x94 mm	5.167,00	5.818,66
RLTMRL-656-200-10, <b>656 nm</b> , 200 mW cw, stability <10%, laser head 235x99x94 mm	5.905,00	6.649,74
RLTMRL-656-500-10, <b>660 nm</b> , 500 mW cw, stability <10%, laser head 235x99x94 mm	10.633,00	11.974,03
RLTMRL-656-1W-10, <b>660 nm</b> , 1 W cw, stability <10%, laser head 235x99x94 mm	14.500,00	16.328,74
<b>RED LASER DIODE MODULES, RLTMR-660D series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>660 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-660D-500-5, <b>660 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	900,00	1.013,51
RLTMRL-660D-1W-5, <b>660 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
<b>RED ROUND SPOT LASER DIODE MODULES, RLTMR-660RD series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>660 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-660RD-50-5, <b>660 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMRL-660RD-100-5, <b>660 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMRL-660RD-200-5, <b>660 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
<b>RED DPSS LASERS, RLTMR-660 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 5% power stability, low noise, fibercoupling, adjustable power, Q-switched <b>660 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-660-30-10, <b>660 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMRL-660-50-10, <b>660 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.243,23
RLTMRL-660-100-10, <b>660 nm</b> , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.960,00	4.459,44
RLTMRL-660-200-10, <b>660 nm</b> , 200 mW cw, stability <10%, laser head 235x99x94 mm	5.167,00	5.818,66
RLTMRL-660-300-10, <b>660 nm</b> , 300 mW cw, stability <10%, laser head 235x99x94 mm	5.905,00	6.649,74
RLTMRL-660-500-10, <b>660 nm</b> , 500 mW cw, stability <10%, laser head 235x99x94 mm	7.233,00	8.145,23
RLTMRL-660-1W-10, <b>660 nm</b> , 1000 mW cw, stability <10%, laser head 333x140x125 mm	10.633,00	11.974,03
RLTMRL-660-2W-10, <b>660 nm</b> , 2000 mW cw, stability <10%, laser head 333x140x125 mm	14.507,00	16.328,74
<b>RED DPSS LASERS, RLTMR-671 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power <b>671 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-671-50-5, <b>671 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	900,00	1.013,51
RLTMRL-671-100-5, <b>671 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.000,00	1.126,12
RLTMRL-671-200-5, <b>671 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMRL-671-500-5, <b>671 nm</b> , 500 mW cw, stability <5%, laser head 197x70x50 mm	3.429,00	3.861,47
RLTMRL-671-1W-5, <b>671 nm</b> , 1000 mW cw, stability <5%, laser head 197x70x50 mm	4.514,00	5.083,31
<b>RED DPSS LASERS, RLTMR-671 HIGH POWER series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 5%, 3% and 1% power stability, temperature stabilized, modulation, fibercoupling, adjustable power <b>671 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-671-2W-5, <b>671 nm</b> , 2 W cw, stability <5%, laser head 240x99x94 mm	5.905,00	6.649,74

RLTMRL-671-3W-5, <b>671 nm</b> , 3 W cw, stability <5%, laser head 240x99x94 mm	8.286,00	9.331,03
RLTMRL-671-4W-5, <b>671 nm</b> , 4 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	16.336,62
RLTMRL-671-5W-5, <b>671 nm</b> , 5 W cw, stability <5%, laser head 333x140x125 mm	18.133,00	20.419,93
<b>RED DPSS LASERS, RLTMLL-671 series</b>	<b>EUR</b>	<b>USD</b>
  <b>LOW NOISE</b> (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling <b>671 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMLL-671-100-5, <b>671 nm</b> , 100 mW cw, stability <5%, laser head 197x70x50 mm	2.714,00	3.056,29
RLTMLL-671-200-5, <b>671 nm</b> , 200 mW cw, stability <5%, laser head 197x70x50 mm	3.257,00	3.667,77
RLTMLL-671-500-5, <b>671 nm</b> , 500 mW cw, stability <5%, laser head 197x70x50 mm	5.144,00	5.792,76
RLTMLL-671-1W-5, <b>671 nm</b> , 1000 mW cw, stability <5%, laser head 209x88x74 mm	6.771,00	7.624,96
<b>RED DPSS LASERS, RLTMLL-671 HIGH POWER series</b>	<b>EUR</b>	<b>USD</b>
  <b>LOW NOISE</b> (noise of amplitude <1%) 80-250 VAC power supply included available options: 3% and 1% power stability, fibercoupling <b>671 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMLL-671-2W-10, <b>671 nm</b> , 2 W cw, stability <10%, laser head 245x99x94 mm	8.858,00	9.975,17
RLTMLL-671-3W-10, <b>671 nm</b> , 3 W cw, stability <10%, laser head 245x99x94 mm	12.429,00	13.996,55
RLTMLL-671-4W-10, <b>671 nm</b> , 4 W cw, stability <10%, laser head 333x140x125 mm	21.761,00	24.505,50
RLTMLL-671-5W-10, <b>671 nm</b> , 5 W cw, stability <10%, laser head 333x140x125 mm	27.200,00	30.630,46
<b>RED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSL-671 series</b>	<b>EUR</b>	<b>USD</b>
  <b>SINGLE LONGITUDINAL MODE</b> 80-250 VAC power supply included available options: 3% power stability, fibercoupling <b>671 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMSL-671-30-5, <b>671 nm</b> , 30 mW cw, stability <5%, noise <0.5%	3.600,00	4.054,03
RLTMSL-671-50-5, <b>671 nm</b> , 50 mW cw, stability <5%, noise <0.5%	4.213,00	4.744,34
RLTMSL-671-100-5, <b>671 nm</b> , 100 mW cw, stability <5%, noise <0.5%	5.167,00	5.818,66
RLTMSL-671-200-5, <b>671 nm</b> , 200 mW cw, stability <5%, noise <0.5%	7.233,00	8.145,23
RLTMSL-671-400-5, <b>671 nm</b> , 400 mW cw, stability <5%, noise <0.5%	10.633,00	11.974,03
<b>RED LASER DIODE MODULES, RLTMRL-680 series</b>	<b>EUR</b>	<b>USD</b>
  80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power <b>680 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-680-300-5, <b>680 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMRL-680-500-5, <b>680 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMRL-680-1W-5, <b>680 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
<b>RED ROUND SPOT LASER DIODE MODULES, RLTMRL-680R series</b>	<b>EUR</b>	<b>USD</b>
  80-250 VAC power supply included round beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power <b>680 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMRL-680R-50-5, <b>680 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMRL-680R-100-5, <b>680 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMRL-680R-200-5, <b>690 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.744,34
<b>RED LASER DIODE MODULES, RLTMDL-685 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>near TEM00 beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation <b>685 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-685-10-5, <b>685 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-685-20-5, <b>685 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.281,51
<b>RED LASER DIODE MODULES, RLTMRL-690 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>square beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power <b>690 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-690-300-5, <b>690 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm		1.990,00	2.240,98
RLTMRL-690-500-5, <b>690 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMRL-690-1W-5, <b>690 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm		3.600,00	4.054,03
<b>RED ROUND SPOT LASER DIODE MODULES, RLTMRL-690R series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>round spot beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power <b>690 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-690R-50-5, <b>690 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.281,51
RLTMRL-690R-100-5, <b>690 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	4.054,03
RLTMRL-690R-200-5, <b>690 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		4.213,00	4.744,34

## LASER SYSTEMS - IR

<b>INFRARED LASER DIODE MODULES, RLTMDL-705 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, modulation <b>705 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-705-10-5, <b>705 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-705-20-5, <b>705 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.281,51
RLTMDL-705-25-5, <b>705 nm</b> , 25 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	4.054,03
<b>INFRARED DIODE PUMPED LASER MODULES - RLTMRL-722 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 5% and 3% stability, fibercoupling, adjustable power, modulation <b>721 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMRL-721-30-10, <b>721 nm</b> , 30 mW cw, stability <10%, laser head 155x77x60 mm		3.600,00	4.054,03
RLTMRL-721-50-10, <b>721 nm</b> , 50 mW cw, stability <10%, laser head 155x77x60 mm		4.213,00	4.744,34
RLTMRL-721-100-10, <b>721 nm</b> , 100 mW cw, stability <10%, laser head 155x77x60 mm		5.167,00	5.818,66
RLTMRL-721-200-10, <b>721 nm</b> , 200 mW cw, stability <10%, laser head 155x77x60 mm		6.200,00	6.981,94
RLTMRL-721-500-10, <b>721 nm</b> , 500 mW cw, stability <10%, laser head 155x77x60 mm		7.733,00	8.708,29
<b>INFRARED LASER DIODE MODULES, RLTMDL-730 series</b>		<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, modulation <b>730 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-730-10-5, <b>730 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMDL-730-20-5, <b>730 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
RLTMDL-730-30-5, <b>730 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
<b>INFRARED LASER DIODE MODULES, RLTMDL-750 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot <b>750 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-750-500-5, <b>750 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMDL-750-1W-5, <b>750 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	3.929,00	4.424,53	
RLTMDL-750-2W-5, <b>750 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	
<b>INFRARED LASER DIODE MODULES, RLTMDL-785 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot <b>785 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-785-500-5, <b>785 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12	
RLTMDL-785-1W-5, <b>785 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97	
RLTMDL-785-2W-5, <b>785 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
<b>RED ROUND SPOT LASER DIODE MODULES, RLTMDL-785R series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>round spot beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power <b>785 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-785R-100-5, <b>785 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98	
RLTMDL-785R-200-5, <b>785 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMDL-785R-300-5, <b>785 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51	
<b>INFRARED LASER DIODE MODULES, RLTMFC-785D series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>spectrum stabilized, narrow linewidth for Raman Spectroscopy applications</b> <b>available options:</b> modulation 0-200 kHz		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMFC-785D-350-3, <b>785+/-0.3nm</b> , 350 mW cw, stability <3%, fiber coupled	2.714,00	3.056,29	
RLTMFC-785D-450-3, <b>785+/-0.3nm</b> , 450 mW cw, stability <3%, fiber coupled	3.085,00	3.474,08	
<b>INFRARED LASER DIODE MODULES, RLTMDL-785Lseries</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>wavelength locked</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>785 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-785L-350-5, <b>785+/-0.3nm</b> , 350 mW cw, stability <5%, laser head 141x46x73 mm	2.352,00	2.648,63	

RLTMDL-785L-500-5, <b>785+-0.3nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.714,00	3.056,29
RLTMDL-785L-600-5, <b>785+-0.3nm</b> , 600 mW cw, stability <5%, laser head 141x46x73 mm	3.085,00	3.474,08
<b>INFRARED LASER DIODE MODULES, RLTMDL-793 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot <b>793 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-793-500-5, <b>793 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-793-1W-5, <b>793 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-793-2W-5, <b>793 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-793-3W-5, <b>793 nm</b> , 3 W cw, stability <5%, laser head 155x77x60 mm	4.213,00	4.744,34
RLTMDL-793-5W-5, <b>793 nm</b> , 5 W cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.981,94
<b>INFRARED LASER DIODE MODULES, RLTMDL-800 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot <b>800 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-800-1W-5, <b>800 nm</b> , 1 W cw, stability <5%, laser head 155x77x60 mm	1.809,00	2.037,15
RLTMDL-800-2W-5, <b>800 nm</b> , 2 W cw, stability <5%, laser head 155x77x60 mm	2.352,00	2.648,63
RLTMDL-800-2.5W-5, <b>800 nm</b> , 2.5 W cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.281,51
<b>INFRARED LASER DIODE MODULES, RLTMDL-800R series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power <b>800 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-800R-100-5, <b>800 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-800R-300-5, <b>800 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-800R-500-5, <b>800 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
<b>INFRARED LASER DIODE MODULES, RLTMDL-808 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included square beam available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot <b>808 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-808-500-5, <b>808 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.047,00	1.179,05
RLTMDL-808-1W-5, <b>808 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.238,00	1.394,14
RLTMDL-808-2.5W-5, <b>808 nm</b> , 2.5 W cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMDL-808-5W-5, <b>808 nm</b> , 5 W cw, stability <5%, laser head 155x77x60 mm	1.538,00	1.731,97
RLTMDL-808-8W-5, <b>808 nm</b> , 8 W cw, stability <5%, laser head 235x99x94 mm	1.991,00	2.242,10
RLTMDL-808-10W-5, <b>808 nm</b> , 10 W cw, stability <5%, laser head 235x99x94 mm	2.261,00	2.546,16
<b>INFRARED LASER DIODE MODULES, RLTMDL-808R series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included round spot beam profile available options: 3% and 1% stability, fibercoupling, adjustable power <b>808 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-808R-200-5, <b>808 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-808R-300-5, <b>808 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-808R-500-5, <b>808 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03

FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-808 series	EUR	USD
 <p>100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector <b>cw or pulse operation</b> pulse width, time period, timer adjustable air cooled <b>808nm</b></p>	1-3 pcs.	1-3 pcs.
RLTMFC-808-20W-5, <b>808 nm</b> , 20 W cw, stability <5%, laser unit 314x290x134 mm	4.576,00	5.153,13
RLTMFC-808-30W-5, <b>808 nm</b> , 30 W cw, stability <5%, laser unit 314x290x134 mm	5.167,00	5.818,66
RLTMFC-808-40W-5, <b>808 nm</b> , 30 W cw, stability <5%, laser unit 314x290x134 mm	6.200,00	6.981,94
RLTMFC-808-50W-5, <b>808 nm</b> , 50 W cw, stability <5%, laser unit 314x290x134 mm	7.233,00	8.145,23
INFRARED LASER DIODE MODULES, RLTMDL-825 series	EUR	USD
 <p>80-250 VAC power supply included <b>square beam profile</b> available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>825 nm</b></p>	1-3 pcs.	1-3 pcs.
RLTMDL-825-500-5, <b>825 nm</b> , 500 mW cw, stability <5%, laser head 155x77x60 mm	1.538,00	1.731,97
RLTMDL-825-1W-5, <b>825 nm</b> , 1 W cw, stability <5%, laser head 155x77x60 mm	1.990,00	2.240,98
RLTMDL-825-2W-5, <b>825 nm</b> , 2 W cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.281,51
INFRARED LASER DIODE MODULES, RLTMDL-830 series	EUR	USD
 <p>80-250 VAC power supply included <b>square beam profile</b> available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>830 nm</b></p>	1-3 pcs.	1-3 pcs.
RLTMDL-830-500-5, <b>830 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-830-1W-5, <b>830 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-830-2W-5, <b>830 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
INFRARED LASER DIODE MODULES, RLTMDL-830R series	EUR	USD
 <p>80-250 VAC power supply included <b>round beam profile</b> available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>830 nm</b></p>	1-3 pcs.	1-3 pcs.
RLTMDL-830R-100-5, <b>830 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-830R-200-5, <b>830 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-830R-300-5, <b>830 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.429,00	3.861,47
RLTMDL-830R-500-5, <b>830 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.744,34
INFRARED LASER DIODE MODULES, RLTMDL-845 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>845 nm</b></p>	1-3 pcs.	1-3 pcs.
RLTMDL-845-20-5, <b>845 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-845-30-5, <b>845 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
INFRARED LASER DIODE MODULES, RLTMDL-852 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>852 nm</b></p>	1-3 pcs.	1-3 pcs.

RLTMDL-852-1000-5, <b>852 nm</b> , 1000 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-852-1500-5, <b>852 nm</b> , 1500mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-852-2000-5, <b>852 nm</b> , 2000mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
<b>INFRARED LASER DIODE MODULES, RLTMDL-879 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, <b>879 nm</b>	1-3 pcs.
RLTMDL-879-1W-5, <b>879 nm</b> , 1 W cw, stability <5%, <b>square beam</b> , 155x77x60 mm	1.538,00	1.731,97
RLTMDL-879-2W-5, <b>879 nm</b> , 2 W cw, stability <5%, <b>square beam</b> , 155x77x60 mm	1.990,00	2.240,98
RLTMDL-879-3W-5, <b>879 nm</b> , 3 W cw, stability <5%, <b>square beam</b> , 155x77x60 mm	2.533,00	2.852,46
<b>INFRARED LASER DIODE MODULES, RLTMDL-880 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included square beam profile available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, <b>880 nm</b>	1-3 pcs.
RLTMDL-880-1W-5, <b>880 nm</b> , 1 W cw, stability <5%, <b>square beam</b> , 155x77x60 mm	1.538,00	1.731,97
RLTMDL-880-2W-5, <b>880 nm</b> , 2 W cw, stability <5%, <b>square beam</b> , 155x77x60 mm	1.990,00	2.240,98
RLTMDL-880-3W-5, <b>880 nm</b> , 3 W cw, stability <5%, <b>square beam</b> , 155x77x60 mm	2.533,00	2.852,46
<b>INFRARED LASER DIODE MODULES, RLTMDL-885 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included square beam available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, <b>885 nm</b>	1-3 pcs.
RLTMDL-885-500-5, <b>885 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMDL-885-1W-5, <b>885 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-885-2W-5, <b>885 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
<b>INFRARED DPSS LASERS, RLTMIL-905 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power <b>905 nm</b>	1-3 pcs.
RLTMIL-905L-30-5, <b>905 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	1.538,00	1.731,97
RLTMIL-905L-50-5, <b>905 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.360,00	3.783,76
RLTMIL-905L-70-5, <b>905 nm</b> , 70 mW cw, stability <5%, laser head 141x46x73 mm	5.600,00	6.306,27
<b>INFRARED DPSS LASERS, RLTMIL-914 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power <b>914 nm</b>	1-3 pcs.
RLTMIL-914-100-5, <b>914 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.026,00	2.281,52
RLTMIL-914-200-5, <b>914 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMIL-914-400-5, <b>914 nm</b> , 400 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
<b>INFRARED LASER DIODE MODULES, RLTMDL-915 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot <b>915 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-915-100-5, <b>915 nm</b> , 100 mW cw, stability <5%, <b>near TEM00</b> , 139x73x46 mm	1.538,00	1.731,97	
RLTMDL-915-300-5, <b>915 nm</b> , 300 mW cw, stability <5%, <b>near TEM00</b> , 139x73x46 mm	1.990,00	2.240,98	
RLTMDL-915-500-5, <b>915 nm</b> , 500 mW cw, stability <5%, laser head 136x73x46 mm	1.538,00	1.731,97	
RLTMDL-915-1W-5, <b>915 nm</b> , 1 W cw, stability <5%, laser head 136x73x46 mm	1.729,00	1.947,06	
RLTMDL-915-2W-5, <b>915 nm</b> , 2 W cw, stability <5%, laser head 155x77x60 mm	2.533,00	2.852,46	
RLTMDL-915-5W-5, <b>915 nm</b> , 5 W cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.281,51	
RLTMDL-915-8W-5, <b>915 nm</b> , 8 W cw, stability <5%, laser head 209x88x74 mm	3.600,00	4.054,03	
<b>INFRARED LASER DIODE MODULES, RLTMDL-940 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot <b>940 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-940-100-5, <b>940 nm</b> , 100 mW cw, stability <5%, <b>near TEM00</b> , 139x73x46 mm	1.538,00	1.731,97	
RLTMDL-940-300-5, <b>940 nm</b> , 300 mW cw, stability <5%, <b>near TEM00</b> , 139x73x46 mm	1.990,00	2.240,98	
RLTMDL-940-500-5, <b>940 nm</b> , 500 mW cw, stability <5%, laser head 136x73x46 mm	1.538,00	1.731,97	
RLTMDL-940-1W-5, <b>940 nm</b> , 1 W cw, stability <5%, laser head 136x73x46 mm	1.729,00	1.947,06	
RLTMDL-940-2W-5, <b>940 nm</b> , 2 W cw, stability <5%, laser head 152x77x60 mm	2.533,00	2.852,46	
RLTMDL-940-5W-5, <b>940 nm</b> , 5 W cw, stability <5%, laser head 152x77x60 mm	2.914,00	3.281,51	
RLTMDL-940-8W-5, <b>940 nm</b> , 8 W cw, stability <5%, laser head 209x88x74 mm	3.600,00	4.054,03	
<b>INFRARED DPSS LASERS, RLTMIL-946 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% power stability, low noise, fibercoupling, adjustable power <b>946 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMIL-946-50-5, <b>946 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.026,00	2.281,52	
RLTMIL-946-100-5, <b>946 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMIL-946-200-5, <b>946 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.243,23	
RLTMIL-946-500-5, <b>946 nm</b> , 500 mW cw, stability <5%, laser head 155x77x60 mm	4.635,00	5.219,57	
RLTMIL-946-800-5, <b>946 nm</b> , 800 mW cw, stability <5%, laser head 155x77x60 mm	5.787,00	6.516,86	
RLTMIL-946-1W-5, <b>946 nm</b> , 1 W cw, stability <5%, laser head 155x77x60 mm	7.233,00	8.145,23	
<b>INFRARED LASER DIODE MODULES, RLTMDL-965 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>square beam profile</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation <b>965 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-965-500-5, <b>965 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12	
RLTMDL-965-1W-5, <b>965 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98	
RLTMDL-965-2W-5, <b>965 nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
<b>INFRARED LASER DIODE MODULES, RLTMDL-965R series</b>	<b>EUR</b>	<b>USD</b>	
	<b>80-250 VAC power supply included</b> <b>round beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation <b>965 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-965R-100-5, <b>965 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	

RLTMDL-965R-300-5, <b>965 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-965R-500-5, <b>965 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
<b>INFRARED LASER DIODE MODULES, RLTMDL-975 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included square beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>975 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-975-500-5, <b>975 nm +/- 5nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.180,17
RLTMDL-975-1W-5, <b>975 nm +/- 5nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.238,00	1.394,14
RLTMDL-975-2W-5, <b>975 nm +/- 5nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMDL-975-5W-5, <b>975 nm +/- 5nm</b> , 5 W cw, stability <5%, laser head 155x77x60 mm	1.809,00	2.037,15
RLTMDL-975-10W-5, <b>975 nm +/- 5nm</b> , 10 W cw, stability <5%, laser head 240x99x94 mm	2.533,00	2.852,46
<b>INFRARED LASER DIODE MODULES, RLTMDL-975R series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>975 nm ROUND BEAM</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-975R-100-5, <b>975 nm +/- 5nm</b> , 100 mW cw, stability <5%, head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-975R-300-5, <b>975 nm +/- 5nm</b> , 300 mW cw, stability <5%, head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-975R-500-5, <b>975 nm +/- 5nm</b> , 500 mW cw, stability <5%, head 141x46x73 mm	2.914,00	3.281,51
<b>INFRARED LASER DIODE MODULES, RLTMDL-980 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power, modulation, round spot <b>980 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-980-500-5, <b>980 nm +/- 5nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.048,00	1.180,17
RLTMDL-980-1W-5, <b>980 nm +/- 5nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.238,00	1.394,14
RLTMDL-980-2W-5, <b>980 nm +/- 5nm</b> , 2 W cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMDL-980-5W-5, <b>980 nm +/- 5nm</b> , 5 W cw, stability <5%, laser head 155x77x60 mm	1.809,00	2.037,15
RLTMDL-980-10W-5, <b>980 nm +/- 5nm</b> , 10 W cw, stability <5%, laser head 240x99x94 mm	2.533,00	2.852,46
<b>INFRARED LASER DIODE MODULES, RLTMDL-980R series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>980 nm ROUND BEAM</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-980R-100-5, <b>980 nm +/- 5nm</b> , 100 mW cw, stability <5%, head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-980R-300-5, <b>980 nm +/- 5nm</b> , 300 mW cw, stability <5%, head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-980R-500-5, <b>980 nm +/- 5nm</b> , 500 mW cw, stability <5%, head 141x46x73 mm	2.914,00	3.281,51
<b>FIBER COUPLED HIGH POWER DIODE LASERS, RLTMFC-980 series</b>	<b>EUR</b>	<b>USD</b>
 100-240 VAC power supply integrated 400µm fiber, 0.22 NA, SMA905 connector cw or pulse operation pulse width, puls period, timer adjustable air cooled <b>980nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMFC-980-1W-5, <b>980 nm</b> , 1 W cw, stability <5%, laser unit 243x249x127 mm	2.503,00	2.818,68
RLTMFC-980-2W-5, <b>980 nm</b> , 2 W cw, stability <5%, laser unit 243x249x127 mm	2.931,00	3.300,66
RLTMFC-980-4W-5, <b>980 nm</b> , 4 W cw, stability <5%, laser unit 243x249x127 mm	3.189,00	3.591,20
RLTMFC-980-8W-5, <b>980 nm</b> , 8 W cw, stability <5%, laser unit 243x249x127 mm	3.473,00	3.911,01

RLTMFC-980-25W-5, <b>980 nm</b> , 25 W cw, stability <5%, laser unit 314x290x134 mm	5.167,00	5.818,66
RLTMFC-980-30W-5, <b>980 nm</b> , 30 W cw, stability <5%, laser unit 314x290x134 mm	6.200,00	6.981,94
RLTMFC-980-50W-5, <b>980 nm</b> , 50 W cw, stability <5%, laser unit 314x290x134 mm	7.733,00	8.708,29
<b>INFRARED DPSS LASERS, RLTMIL-1030 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power		
<b>1030 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1030-30-5, <b>1030 nm</b> , 30 mW cw, stability <5%, laser head 212x88x74 mm	2.914,00	3.281,51
RLTMIL-1030-50-5, <b>1030 nm</b> , 50 mW cw, stability <5%, laser head 212x88x74 mm	3.600,00	4.054,03
RLTMIL-1030-100-5, <b>1030 nm</b> , 100 mW cw, stability <5%, laser head 212x88x74 mm	4.213,00	4.744,34
RLTMIL-1030-150-5, <b>1030 nm</b> , 150 mW cw, stability <5%, laser head 212x88x74 mm	5.167,00	5.818,66
<b>INFRARED DPSS LASERS, RLTMIL-1040 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power		
<b>1040 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1040-30-5, <b>1040 nm</b> , 30 mW cw, stability <5%, laser head 212x88x74 mm	2.914,00	3.281,51
RLTMIL-1040-50-5, <b>1040 nm</b> , 50 mW cw, stability <5%, laser head 212x88x74 mm	3.600,00	4.054,03
RLTMIL-1040-100-5, <b>1040 nm</b> , 100 mW cw, stability <5%, laser head 212x88x74 mm	4.213,00	4.744,34
RLTMIL-1040-150-5, <b>1040 nm</b> , 150 mW cw, stability <5%, laser head 212x88x74 mm	5.167,00	5.818,66
<b>INFRARED DPSS LASERS, RLTMIL-1047 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power,		
<b>1047 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1047-50-5, <b>1047 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.027,00	2.282,65
RLTMIL-1047-100-5, <b>1047 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMIL-1047-300-5, <b>1047 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.243,23
RLTMIL-1047-500-5, <b>1047 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMIL-1047-800-5, <b>1047 nm</b> , 800 mW cw, stability <5%, laser head 155x77x60 mm	4.635,00	5.219,57
RLTMIL-1047-1W-5, <b>1047 nm</b> , 800 mW cw, stability <5%, laser head 155x77x60 mm	5.167,00	5.818,66
<b>INFRARED DPSS LASERS, RLTMIL-1053 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling		
<b>1053 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1053-100-5, <b>1053 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.027,00	2.282,65
RLTMIL-1053-300-5, <b>1053 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.243,23
RLTMIL-1053-500-5, <b>1053 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMIL-1053-1W-5, <b>1053 nm</b> , 1000 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66
<b>INFRARED Q-SWITCHED PULSED LASERS, RLTMPL-1053 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included Q-switched pulsed operation different repetition rate available (1-5kHz) 3%, 1% power stability available		
<b>1053 nm pulsed</b>		
	1-3 pcs.	1-3 pcs.
RLTMPL-1053-10-5, <b>1053 nm</b> , 10 µJ, pulse length ~10ns, <5% stability	5.167,00	5.818,66
RLTMPL-1053-20-5, <b>1053 nm</b> , 20 µJ, pulse length ~10ns, <5% stability	6.200,00	6.981,94

RLTMPL-1053-30-5, <b>1053 nm</b> , 30 µJ, pulse length ~10ns, <5% stability	7.233,00	8.145,23
RLTMPL-1053-50-5, <b>1053 nm</b> , 50 µJ, pulse length ~10ns, <5% stability	7.733,00	8.708,29
<b>INFRARED DIODE LASERS, RLTMDL-1060 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, fibercoupling, adjustable power, <b>1060 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1060-100-5, <b>1060 nm</b> , 100 mW cw, near TEM00, stability <5%, 141x46x73 mm	1.333,00	1.501,12
RLTMDL-1060-200-5, <b>1060 nm</b> , 200 mW cw, near TEM00, stability <5%, 141x46x73 mm	1.538,00	1.731,97
RLTMDL-1060-300-5, <b>1060 nm</b> , 300 mW cw, near TEM00, stability <5%, 141x46x73 mm	1.991,00	2.242,10
RLTMDL-1060-500-5, <b>1060 nm</b> , 500 mW cw, square beam, stability <5%, 141x46x73 mm	1.333,00	1.501,12
RLTMDL-1060-1W-5, <b>1060 nm</b> , 1 W cw, square beam, stability <5%, 155x77x60 mm	1.538,00	1.731,97
RLTMDL-1060-2W-5, <b>1060 nm</b> , 2 W cw, square beam, stability <5%, 155x77x60 mm	1.991,00	2.242,10
<b>INFRARED DPSS LASERS, RLTMIL-1064 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, modulation input, fibercoupling, adjustable power <b>1064 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1064-500-5, <b>1064 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.067,00	1.201,57
RLTMIL-1064-800-5, <b>1064 nm</b> , 800 mW cw, stability <5%, laser head 141x46x73 mm	1.333,00	1.501,12
RLTMIL-1064-1W-5, <b>1064 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.399,00	1.575,44
RLTMIL-1064-2W-5, <b>1064 nm</b> , 2 W cw, stability <5%, laser head 155x77x60 mm	2.026,00	2.281,52
RLTMIL-1064-3W-5, <b>1064 nm</b> , 3 W cw, stability <5%, laser head 155x77x60 mm	2.880,00	3.243,23
<b>INFRARED DPSS LASERS, RLTMIL-H-1064 HIGH POWER series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: stability 3% and 1%, modulation input, fibercoupling, adjustable power <b>1064 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1064H-5W-5, <b>1064 nm</b> , 5 W cw, stability <5%, laser head 240x99x94 mm	6.200,00	6.981,94
RLTMIL-1064H-8W-5, <b>1064 nm</b> , 8 W cw, stability <5%, laser head 333x140x125 mm	9.667,00	10.886,20
RLTMIL-1064H-10W-5, <b>1064 nm</b> , 10 W cw, stability <5%, laser head 333x140x125 mm	11.600,00	13.062,99
RLTMIL-1064H-15W-5, <b>1064 nm</b> , 15 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	16.336,62
RLTMIL-1064H-20W-5, <b>1064 nm</b> , 20 W cw, stability <5%, laser head 333x140x125 mm	18.133,00	20.419,93
<b>INFRARED DPSS LASERS, RLTCO-1064 HIGH POWER series</b>	<b>EUR</b>	<b>USD</b>
		
RLTCO-1064-50W, <b>1064 nm</b> , 50 W cw, water-cooled, 82x88x69 mm	3.047,62	3.431,98
RLTCO-1064-75W, <b>1064 nm</b> , 75 W cw, water-cooled, 82x88x69 mm	4.000,00	4.504,48
RLTCO-1064-100W, <b>1064 nm</b> , 100 W cw, water-cooled, 82x88x69 mm	6.335,00	7.133,97
RLTCO-1064-200W, <b>1064 nm</b> , 200 W cw, water-cooled, 129x115x71 mm	12.342,86	13.899,54
RLTCO-1064-300W, <b>1064 nm</b> , 300 W cw, water-cooled, 140x125x90 mm	16.333,33	18.393,29
RLTCO-1064-400W, <b>1064 nm</b> , 400 W cw, water-cooled, 162x125x90 mm	20.428,57	23.005,02
RLTCO-1064-500W, <b>1064 nm</b> , 500 W cw, water-cooled, 196x125x90 mm	24.380,95	27.455,88
<b>INFRARED DPSS LASERS, RLTMLL-1064 series LOW NOISE</b>	<b>EUR</b>	<b>USD</b>

	<b>LOW NOISE</b> 80-250 VAC power supply included <b>available options:</b> 3% and 1% power stability, modulation input, fibercoupling <b>1064 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMLL-1064-500-5, <b>1064 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	1.387,10	1.562,04	
RLTMLL-1064-800-5, <b>1064 nm</b> , 800 mW cw, stability <5%, laser head 141x46x73 mm	1.732,90	1.951,45	
RLTMLL-1064-1W-5, <b>1064 nm</b> , 1 W cw, stability <5%, laser head 141x46x73 mm	1.818,70	2.048,07	
RLTMLL-1064-2W-5, <b>1064 nm</b> , 2 W cw, stability <5%, laser head 155x77x60 mm	2.633,80	2.965,97	
RLTMLL-1064-3W-5, <b>1064 nm</b> , 3 W cw, stability <5%, laser head 235x99x94 mm	3.744,00	4.216,19	
<b>INFRARED DPSS SINGLE LONGITUDINAL MODE LASERS, RLTMSL-1064 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>SINGLE LONGITUDINAL MODE</b> 80-250 VAC power supply included <b>available options:</b> 3% and 1% power stability, fibercoupling <b>1064 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMSL-1064-100-5, <b>1064 nm</b> , 100 mW cw, stability <5%, noise <0.5%	2.533,00	2.852,46	
RLTMSL-1064-300-5, <b>1064 nm</b> , 300 mW cw, stability <5%, noise <0.5%	3.600,00	4.054,03	
RLTMSL-1064-500-5, <b>1064 nm</b> , 500 mW cw, stability <5%, noise <0.5%	4.213,00	4.744,34	
RLTMSL-1064-1W-5, <b>1064 nm</b> , 1 W cw, stability <5%, noise <0.5%	6.200,00	6.981,94	
<b>INFRARED Q-SWITCHED PULSED LASERS, RLTMPPL-1064 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included <b>Q-switched</b> pulsed operation different repetition rate available (1-5kHz) 3%, 1% power stability available <b>1064 nm pulsed</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMPPL-1064-100-5, <b>1064 nm</b> , 10-20 µJ, 100 mW, pulse length ~5-10ns, <5% stability	2.533,00	2.852,46	
RLTMPPL-1064-300-5, <b>1064 nm</b> , 10-20 µJ, 300 mW, pulse length ~5-10ns, <5% stability	2.714,00	3.056,29	
RLTMPPL-1064-500-5, <b>1064 nm</b> , 10-20 µJ, 500 mW, pulse length ~5-10ns, <5% stability	3.085,00	3.474,08	
RLTMPPL-1064-1W-5, <b>1064 nm</b> , 20-100 µJ, 1 W, pulse length ~10ns, <5% stability	4.213,00	4.744,34	
RLTMPPL-1064-1.5W-5, <b>1064 nm</b> , 150-250 µJ, 1.5 W, pulse length ~2ns, <5% stability	5.166,00	5.817,54	
RLTMPPL-1064-2W-5, <b>1064 nm</b> , 150-250 µJ, 2 W, pulse length ~2ns, <5% stability	6.200,00	6.981,94	
RLTMPPL-1064-2.5W-5, <b>1064 nm</b> , 150-250 µJ, 2.5W, pulse length ~2ns, <5% stability	7.233,00	8.145,23	
<b>INFRARED DPSS LASERS, RLTMIL-1085 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included <b>available options:</b> 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling <b>1085 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMIL-1085-100-5, <b>1085 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46	
RLTMIL-1085-200-5, <b>1085 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.243,23	
RLTMIL-1085-300-5, <b>1085 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMIL-1085-500-5, <b>1085 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	5.167,00	5.818,66	
<b>INFRARED DPSS LASERS, RLTMIL-1112 series</b>	<b>EUR</b>	<b>USD</b>	
	80-250 VAC power supply included <b>available options:</b> 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling <b>1112 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMIL-1112-30-10, <b>1112 nm</b> , 30 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.243,23	
RLTMIL-1112-50-10, <b>1112 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMIL-1112-100-10, <b>1112 nm</b> , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03	
RLTMIL-1112-200-10, <b>1112 nm</b> , 200 mW cw, stability <10%, laser head 155x60x77 mm	5.167,00	5.818,66	

RLTMIL-1112-500-10, <b>1112 nm</b> , 500 mW cw, stability <10%, laser head 155x60x77 mm	7.733,00	8.708,29
<b>INFRARED DPSS LASERS, RLTMIL-1122 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 5% and 3% power stability, low noise, modulation input, adjustable power, fibercoupling <b>1122 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1122-50-10, <b>1122 nm</b> , 50 mW cw, stability <10%, laser head 141x46x73 mm	2.880,00	3.243,23
RLTMIL-1122-100-10, <b>1122 nm</b> , 100 mW cw, stability <10%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMIL-1122-200-10, <b>1122 nm</b> , 200 mW cw, stability <10%, laser head 141x46x73 mm	4.213,00	4.744,34
RLTMIL-1122-500-10, <b>1122 nm</b> , 500 mW cw, stability <10%, laser head 155x60x77 mm	6.200,00	6.981,94
RLTMIL-1122-800-10, <b>1122 nm</b> , 800 mW cw, stability <10%, laser head 155x60x77 mm	7.733,00	8.708,29
RLTMIL-1122-1W-10, <b>1122 nm</b> , 1 W cw, stability <10%, laser head 155x60x77 mm	9.667,00	10.886,20
<b>INFRARED DPSS LASERS, RLTMIL-1177 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling <b>1177 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1177-30-5, <b>1177 nm</b> , 30 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMIL-1177-50-5, <b>1177 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMIL-1177-100-5, <b>1177 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.744,34
<b>INFRARED DPSS LASERS, RLTMDL-1310 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched <b>1310 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1310-10-5, <b>1310 nm</b> , 10 mW cw, stability <5%, laser head 141x46x73 mm	1.990,00	2.240,98
RLTMDL-1310-20-5, <b>1310 nm</b> , 20 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
<b>INFRARED DPSS LASERS, RLTMIL-1313 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation input, adjustable power, fibercoupling, Q-switched <b>1313 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1313-100-5, <b>1313 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.880,00	3.243,23
RLTMIL-1313-300-5, <b>1313 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.744,34
RLTMIL-1313-500-5, <b>1313 nm</b> , 500 mW cw, stability <5%, laser head 155x60x77 mm	6.200,00	6.981,94
RLTMIL-1313-1W-5, <b>1313 nm</b> , 1000 mW cw, stability <5%, laser head 155x60x77 mm	7.733,00	8.708,29
<b>INFRARED DPSS LASERS, RLTMIL-1319 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling, Q-switched <b>1319 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIL-1319-50-5, <b>1319 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm	2.016,00	2.270,26
RLTMIL-1319-100-5, <b>1319 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMIL-1319-300-5, <b>1319 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMIL-1319-500-5, <b>1319 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	4.213,00	4.744,34
RLTMIL-1319-800-5, <b>1319 nm</b> , 800 mW cw, stability <5%, laser head 155x60x77 mm	6.200,00	6.981,94
RLTMIL-1319-1W-5, <b>1319 nm</b> , 1 W cw, stability <5%, laser head 155x60x77 mm	7.233,00	8.145,23
RLTMIL-1319-1.5W-5, <b>1319 nm</b> , 1.5 W cw, stability <5%, laser head 155x60x77 mm	7.733,00	8.708,29

<b>INFRARED DPSS LASERS, RLTMI-1342 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b> 3% and 1% power stability, low noise, singel longitudinal, modulation, adjustable power, fibercoupling  <b>1342 nm</b></p>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMI-1342-300-5, <b>1342 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	1.520,00	1.711,70
RLTMI-1342-500-5, <b>1342 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	2.026,00	2.281,52
RLTMI-1342-800-5, <b>1342 nm</b> , 800 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMI-1342-1W-5, <b>1342 nm</b> , 1W cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMI-1342-2W-5, <b>1342 nm</b> , 2W cw, stability <5%, laser head 155x60x77 mm	7.233,00	8.145,23
<b>INFRARED DPSS LASERS, RLTMI-1342 HIGH POWER series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b> 3% and 1% power stability, modulation input, adjustable power, fibercoupling  <b>1342 nm</b></p>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMI-1342-3W-5, <b>1342 nm</b> , 3 W cw, stability <5%, laser head 240x99x90 mm	8.700,00	9.797,24
RLTMI-1342-4W-5, <b>1342 nm</b> , 4 W cw, stability <5%, laser head 333x140x125 mm	11.600,00	13.062,99
RLTMI-1342-5W-5, <b>1342 nm</b> , 5 W cw, stability <5%, laser head 333x140x125 mm	14.507,00	16.336,62
<b>INFRARED DPSS LASERS, RLTMI-1413 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b> 3% and 1% power stability, low noise, singel longitudinal, modulation, adjustable power, fibercoupling  <b>1413 nm</b></p>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMI-1413-50-5, <b>1413 nm</b> , 50 mW cw, stability <5%, laser head 155x77x60 mm	2.914,00	3.281,51
RLTMI-1413-100-5, <b>1413 nm</b> , 100 mW cw, stability <5%, laser head 155x77x60 mm	3.928,00	4.423,40
RLTMI-1413-200-5, <b>1413 nm</b> , 200 mW cw, stability <5%, laser head 155x77x60 mm	4.213,00	4.744,34
RLTMI-1413-300-5, <b>1413 nm</b> , 300 mW cw, stability <5%, laser head 155x77x60 mm	5.167,00	5.818,66
<b>INFRARED LASER DIODE MODULES, RLTMDL-1440 series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot  <b>1440 nm</b></p>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-1440-100-5, <b>1440 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-1440-300-5, <b>1440 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-1440-500-5, <b>1440 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMDL-1440-800-5, <b>1440 nm</b> , 800 mW cw, stability <5%, laser head 141x46x73 mm	3.928,00	4.423,40
RLTMDL-1440-1W-5, <b>1440 nm</b> , 1 W cw, stability <5%, laser head 240x94x90 mm	4.665,00	5.253,35
RLTMDL-1440-2W-5, <b>1440 nm</b> , 2 W cw, stability <5%, laser head 240x94x90 mm	5.167,00	5.818,66
RLTMDL-1440-3W-5, <b>1440 nm</b> , 3 W cw, stability <5%, laser head 240x94x90 mm	5.905,00	6.649,74
<b>INFRARED LASER DIODE MODULES, RLTMDL-1440R series</b>	<b>EUR</b>	<b>USD</b>
 <p><b>80-250 VAC power supply included</b>  <b>round beam profile</b>  <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation  <b>1440 nm ROUND BEAM</b></p>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-1440R-50-5, <b>1440 nm</b> , 50 mW cw, round beam, stability <5%, head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-1440R-100-5, <b>1440 nm</b> , 100 mW cw, round beam, stability <5%, head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-1440R-150-5, <b>1440 nm</b> , 150 mW cw, round beam, stability <5%, head 141x46x73 mm	3.600,00	4.054,03
<b>INFRARED DPSS LASERS, RLTMI-1444 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% power stability, low noise, modulation, adjustable power, fibercoupling <b>1444 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMIL-1444-50-5, <b>1444 nm</b> , 50 mW cw, stability <5%, laser head 141x46x73 mm		2.880,00	3.243,23
RLTMIL-1444-100-5, <b>1444 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		4.213,00	4.744,34
RLTMIL-1444-200-5, <b>1444 nm</b> , 200 mW cw, stability <5%, laser head 141x46x73 mm		5.167,00	5.818,66
RLTMIL-1444-400-5, <b>1444 nm</b> , 400 mW cw, stability <5%, laser head 141x46x73 mm		7.233,00	8.145,23
<b>INFRARED LASER DIODE MODULES, RLTMDL-1450 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot <b>1450 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-1450-100-5, <b>1450 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-1450-300-5, <b>1450 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.281,51
RLTMDL-1450-500-5, <b>1450 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	4.054,03
RLTMDL-1450-800-5, <b>1450 nm</b> , 800 mW cw, stability <5%, laser head 141x46x73 mm		3.928,00	4.423,40
RLTMDL-1450-1W-5, <b>1450 nm</b> , 1 W cw, stability <5%, laser head 240x94x90 mm		4.665,00	5.253,35
RLTMDL-1450-2W-5, <b>1450 nm</b> , 2 W cw, stability <5%, laser head 240x94x90 mm		5.167,00	5.818,66
RLTMDL-1450-3W-5, <b>1450 nm</b> , 3 W cw, stability <5%, laser head 240x94x90 mm		5.905,00	6.649,74
<b>INFRARED LASER DIODE MODULES, RLTMDL-1450R series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>round beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1450 nm ROUND BEAM</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-1450R-50-5, <b>1450 nm</b> , 50 mW cw, round beam, stability <5%, head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-1450R-100-5, <b>1450 nm</b> , 100 mW cw, round beam, stability <5%, head 141x46x73 mm		2.914,00	3.281,51
RLTMDL-1450R-150-5, <b>1450 nm</b> , 150 mW cw, round beam, stability <5%, head 141x46x73 mm		3.600,00	4.054,03
<b>INFRARED LASER DIODE MODULES, RLTMDL-1470 series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power, round spot <b>1470 nm</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-1470-100-5, <b>1470 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-1470-300-5, <b>1470 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm		2.914,00	3.281,51
RLTMDL-1470-500-5, <b>1470 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm		3.600,00	4.054,03
RLTMDL-1470-800-5, <b>1470 nm</b> , 800 mW cw, stability <5%, laser head 141x46x73 mm		3.928,00	4.423,40
RLTMDL-1470-1W-5, <b>1470 nm</b> , 1 W cw, stability <5%, laser head 240x94x90 mm		4.665,00	5.253,35
RLTMDL-1470-2W-5, <b>1470 nm</b> , 2 W cw, stability <5%, laser head 240x94x90 mm		5.167,00	5.818,66
RLTMDL-1470-3W-5, <b>1470 nm</b> , 3 W cw, stability <5%, laser head 240x94x90 mm		5.905,00	6.649,74
<b>INFRARED LASER DIODE MODULES, RLTMDL-1470R series</b>		<b>EUR</b>	<b>USD</b>
	<b>80-250 VAC power supply included</b> <b>round beam profile</b> <b>available options:</b> 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1470 nm ROUND BEAM</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMDL-1470R-50-5, <b>1470 nm</b> , 50 mW cw, round beam, stability <5%, head 141x46x73 mm		2.533,00	2.852,46
RLTMDL-1470R-100-5, <b>1470 nm</b> , 100 mW cw, round beam, stability <5%, head 141x46x73 mm		2.914,00	3.281,51
RLTMDL-1470R-150-5, <b>1470 nm</b> , 150 mW cw, round beam, stability <5%, head 141x46x73 mm		3.600,00	4.054,03

INFRARED LASER DIODE MODULES, RLTMDL-1532 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power</p> <p><b>1532nm</b></p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1532-100-5, <b>1532 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-1532-300-5, <b>1532 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-1532-500-5, <b>1532 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMDL-1532-1W-5, <b>1532 nm</b> , 1 W cw, stability <5%, laser head 240x94x90 mm	4.665,00	5.253,35
RLTMDL-1532-2W-5, <b>1532 nm</b> , 2 W cw, stability <5%, laser head 240x94x90 mm	5.167,00	5.818,66
RLTMDL-1532-3W-5, <b>1532 nm</b> , 3 W cw, stability <5%, laser head 240x94x90 mm	5.905,00	6.649,74
INFRARED LASER DIODE MODULES, RLTMDL-1532R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation</p> <p><b>1532 nm ROUND BEAM</b></p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1532R-50-5, <b>1532 nm</b> , 50 mW cw, round beam, stability <5%, head 141x46x73 mm	3.600,00	4.054,03
RLTMDL-1532R-100-5, <b>1532 nm</b> , 100 mW cw, round beam, stability <5%, head 141x46x73 mm	4.086,00	4.601,33
RLTMDL-1532R-200-5, <b>1532 nm</b> , 200 mW cw, flat top beam, stability <5%, head 141x46x73 mm	4.213,00	4.744,34
INFRARED LASER DIODE MODULES, RLTMDL-1550 series	EUR	USD
 <p>80-250 VAC power supply included available options: 3% and 1% stability, low noise, fibercoupling, adjustable power</p> <p><b>1550 nm</b></p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1550-100-5, <b>1550 nm</b> , 100 mW cw, stability <5%, laser head 141x46x73 mm	2.533,00	2.852,46
RLTMDL-1550-300-5, <b>1550 nm</b> , 300 mW cw, stability <5%, laser head 141x46x73 mm	2.914,00	3.281,51
RLTMDL-1550-500-5, <b>1550 nm</b> , 500 mW cw, stability <5%, laser head 141x46x73 mm	3.600,00	4.054,03
RLTMDL-1550-1W-5, <b>1550 nm</b> , 1 W cw, stability <5%, laser head 240x94x90 mm	4.665,00	5.253,35
RLTMDL-1550-2W-5, <b>1550 nm</b> , 2 W cw, stability <5%, laser head 240x94x90 mm	5.167,00	5.818,66
RLTMDL-1550-3W-5, <b>1550 nm</b> , 3 W cw, stability <5%, laser head 240x94x90 mm	5.905,00	6.649,74
INFRARED LASER DIODE MODULES, RLTMDL-1550R series	EUR	USD
 <p>80-250 VAC power supply included round beam profile available options: 3% and 1% stability, fibercoupling, adjustable power, modulation</p> <p><b>1550nm ROUND BEAM</b></p>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1550R-50-5, <b>1550 nm</b> , 50 mW cw, round beam, stability <5%, head 141x46x73 mm	3.600,00	4.054,03
RLTMDL-1550R-100-5, <b>1550 nm</b> , 100 mW cw, round beam, stability <5%, head 141x46x73 mm	4.086,00	4.601,33
RLTMDL-1550R-200-5, <b>1550 nm</b> , 200 mW cw, flat top beam, stability <5%, head 141x46x73 mm	4.213,00	4.744,34
IR DPSS AOM Q-SWITCHED PULSED LASERS, RLTAOL-1573 series	EUR	USD
 <p>AOM (Acusto-Optic Modulation) Q-switched Laser 1-50 kHz Option: 5% and 3% power stability 80-250 VAC power supply included</p> <p><b>1573 nm AOM Q-switched</b></p>		
	1-3 pcs.	1-3 pcs.
RLTAOL-1573-100-10, <b>1573 nm</b> , 100 mW @ 30 kHz, 3 µJ, ~10 ns, <10% stability	13.533,00	15.239,78
RLTAOL-1573-200-10, <b>1573 nm</b> , 200 mW @ 30 kHz, 6 µJ, ~10 ns, <10% stability	14.500,00	16.328,74
RLTAOL-1573-300-10, <b>1573 nm</b> , 300 mW @ 30 kHz, 10 µJ, ~10 ns, <10% stability	14.507,00	16.336,62
RLTAOL-1573-500-10, <b>1573 nm</b> , 500 mW @ 30 kHz, 15 µJ, ~10 ns, <10% stability	16.320,00	18.378,28
RLTAOL-1573-800-10, <b>1573 nm</b> , 800 mW @ 30 kHz, 25 µJ, ~10 ns, <10% stability	17.227,00	19.399,67

RLTAOL-1573-1W-10, 1573 nm, 1W @ 30 kHz, 35 µJ, ~10 ns, <10% stability	18.133,00	20.419,93
<b>INFRARED DIODE PUMPED LASER MODULES - RLTMIIL-1645 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1645 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIIL-1645-100-5, 1645 nm, 100 mW cw, stability <5%, laser head 240x94x90 mm	12.567,00	14.151,95
RLTMIIL-1645-300-5, 1645 nm, 300 mW cw, stability <5%, laser head 240x94x90 mm	14.507,00	16.336,62
RLTMIIL-1645-500-5, 1645 nm, 500 mW cw, stability <5%, laser head 240x94x90 mm	16.320,00	18.378,28
RLTMIIL-1645-800-5, 1645 nm, 800 mW cw, stability <5%, laser head 240x94x90 mm	18.133,00	20.419,93
RLTMIIL-1645-1W-5, 1645 nm, 1 W cw, stability <5%, laser head 240x94x90 mm	19.947,00	22.462,72
<b>INFRARED LASER DIODE MODULES, RLTMDL-1870 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>1870 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1870-100-5, 1870 nm, 100 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.981,94
RLTMDL-1870-200-5, 1870 nm, 200 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	8.145,23
RLTMDL-1870-300-5, 1870 nm, 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.708,29
RLTMDL-1870-500-5, 1870 nm, 500 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.797,24
RLTMDL-1870-800-5, 1870 nm, 800 mW cw, stability <5%, laser head 155x77x60 mm	9.667,00	10.886,20
<b>INFRARED LASER DIODE MODULES, RLTMDL-1900 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>1900 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMDL-1900-100-5, 1900 nm, 100 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.981,94
RLTMDL-1900-200-5, 1900 nm, 200 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	8.145,23
RLTMDL-1900-300-5, 1900 nm, 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.708,29
RLTMDL-1900-500-5, 1900 nm, 500 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.797,24
RLTMDL-1900-800-5, 1900 nm, 800 mW cw, stability <5%, laser head 155x77x60 mm	9.667,00	10.886,20
<b>INFRARED DIODE PUMPED LASER MODULES - RLTMIIL-1910 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1910 nm</b>		
	1-3 pcs.	1-3 pcs.
RLTMIIL-1910-300-5, 1910 nm, 300 mW cw, stability <5%, laser head 209x88x74 mm	7.733,00	8.708,29
RLTMIIL-1910-500-5, 1910 nm, 500 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.886,20
RLTMIIL-1910-800-5, 1910 nm, 800 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	13.062,99
RLTMIIL-1910-1W-5, 1910 nm, 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	16.336,62
RLTMIIL-1910-3W-5, 1910 nm, 3 W cw, stability <5%, laser head 333x144x125 mm	16.320,00	18.378,28
RLTMIIL-1910-5W-5, 1910 nm, 5 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	20.419,93
RLTMIIL-1910-10W-5, 1910 nm, 10 W cw, stability <5%, laser head 333x144x125 mm	25.387,00	28.588,81
<b>INFRARED LASER DIODE MODULES, RLTMDL-1940 series</b>	<b>EUR</b>	<b>USD</b>
 80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power <b>1940 nm</b>		
	1-3 pcs.	1-3 pcs.

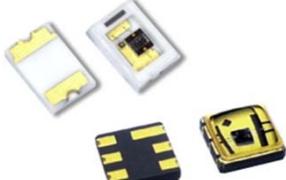
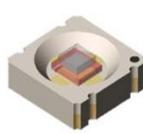
RLTMDL-1940-100-5, <b>1940 nm</b> , 100 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.981,94
RLTMDL-1940-200-5, <b>1940 nm</b> , 200 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	8.145,23
RLTMDL-1940-300-5, <b>1940 nm</b> , 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.708,29
RLTMDL-1940-500-5, <b>1940 nm</b> , 500 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.797,24
RLTMDL-1940-800-5, <b>1940 nm</b> , 800 mW cw, stability <5%, laser head 155x77x60 mm	9.667,00	10.886,20
<b>INFRARED DIODE PUMPED LASER MODULES - RLTML-1940 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1940 nm</b>	
	1-3 pcs.	1-3 pcs.
RLTML-1940-300-5, <b>1940 nm</b> , 300 mW cw, stability <5%, laser head 209x88x74 mm	7.733,00	8.708,29
RLTML-1940-500-5, <b>1940 nm</b> , 500 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.886,20
RLTML-1940-800-5, <b>1940 nm</b> , 800 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	13.062,99
RLTML-1940-1W-5, <b>1940 nm</b> , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	16.336,62
RLTML-1940-3W-5, <b>1940 nm</b> , 3 W cw, stability <5%, laser head 333x144x125 mm	16.320,00	18.378,28
RLTML-1940-5W-5, <b>1940 nm</b> , 5 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	20.419,93
RLTML-1940-10W-5, <b>1940 nm</b> , 10 W cw, stability <5%, laser head 333x144x125 mm	25.387,00	28.588,81
<b>INFRARED DIODE PUMPED LASER MODULES - RLTML-1985 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1985nm</b>	
	1-3 pcs.	1-3 pcs.
RLTML-1985-300-5, <b>1985 nm</b> , 300 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.886,20
RLTML-1985-500-5, <b>1985 nm</b> , 500 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	13.062,99
RLTML-1985-800-5, <b>1985 nm</b> , 800 mW cw, stability <5%, laser head 209x88x74 mm	13.533,00	15.239,78
RLTML-1985-1W-5, <b>1985 nm</b> , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	16.336,62
RLTML-1985-3W-5, <b>1985 nm</b> , 3 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	20.419,93
RLTML-1985-5W-5, <b>1985 nm</b> , 5 W cw, stability <5%, laser head 333x144x125 mm	21.760,00	24.504,37
RLTML-1985-10W-5, <b>1985 nm</b> , 10 W cw, stability <5%, laser head 333x144x125 mm	29.013,00	32.672,12
<b>INFRARED DIODE PUMPED LASER MODULES - RLTML-1990 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 3% and 1% stability, fibercoupling, adjustable power, modulation <b>1990nm</b>	
	1-3 pcs.	1-3 pcs.
RLTML-1990-300-5, <b>1990 nm</b> , 300 mW cw, stability <5%, laser head 209x88x74 mm	9.667,00	10.886,20
RLTML-1990-500-5, <b>1990 nm</b> , 500 mW cw, stability <5%, laser head 209x88x74 mm	11.600,00	13.062,99
RLTML-1990-800-5, <b>1990 nm</b> , 800 mW cw, stability <5%, laser head 209x88x74 mm	13.533,00	15.239,78
RLTML-1990-1W-5, <b>1990 nm</b> , 1 W cw, stability <5%, laser head 333x144x125 mm	14.507,00	16.336,62
RLTML-1990-3W-5, <b>1990 nm</b> , 3 W cw, stability <5%, laser head 333x144x125 mm	18.133,00	20.419,93
RLTML-1990-5W-5, <b>1990 nm</b> , 5 W cw, stability <5%, laser head 333x144x125 mm	21.760,00	24.504,37
RLTML-1990-10W-5, <b>1990 nm</b> , 10 W cw, stability <5%, laser head 333x144x125 mm	29.013,00	32.672,12
<b>INFRARED DIODE PUMPED LASER MODULES - RLTML-2096 series</b>	<b>EUR</b>	<b>USD</b>
	80-250 VAC power supply included available options: 3% stability, fibercoupling, adjustable power, modulation <b>2096nm</b>	
	1-3 pcs.	1-3 pcs.
RLTML-2096-1W-5, <b>2096 nm</b> , 1 W cw, stability <5%, laser head 333x144x125 mm	13.533,00	15.239,78
RLTML-2096-2W-5, <b>2096 nm</b> , 2 W cw, stability <5%, laser head 333x144x125 mm	16.320,00	18.378,28
RLTML-2096-3W-5, <b>2096 nm</b> , 3 W cw, stability <5%, laser head 333x144x125 mm	19.947,00	22.462,72
<b>INFRARED LASER DIODE MODULES, RLTMDL-2200 series</b>	<b>EUR</b>	<b>USD</b>

	<b>80-250 VAC power supply included</b> <b>available options:</b> 3% and 1% stability, low noise, fibercoupling, adjustable power <b>2200 nm</b>		
RLTMDL-2200-50-5, <b>2200 nm</b> , 50 mW cw, stability <5%, laser head 155x77x60 mm	6.200,00	6.981,94	
RLTMDL-2200-100-5, <b>2200 nm</b> , 100 mW cw, stability <5%, laser head 155x77x60 mm	7.233,00	8.145,23	
RLTMDL-2200-300-5, <b>2200 nm</b> , 300 mW cw, stability <5%, laser head 155x77x60 mm	7.733,00	8.708,29	
RLTMDL-2200-450-5, <b>2200 nm</b> , 450 mW cw, stability <5%, laser head 155x77x60 mm	8.700,00	9.797,24	
<b>IR DPSS Q-SWITCHED PULSED LASERS, RLTMPL-3800 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>Passively Q-switched Laser</b> 5 - 15 kHz Option: 5% power stability <b>80-250 VAC power supply included</b>		
		<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTMPL-3800-100-10, <b>3800 nm</b> , 100 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <10% stability	14.507,00	16.336,62	
RLTMPL-3800-200-10, <b>3800 nm</b> , 200 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <10% stability	18.133,00	20.419,93	
RLTMPL-3800-300-10, <b>3800 nm</b> , 300 mW avg, 5-10ns pulse, 5-15 kHz rep.rate, <10% stability	21.760,00	24.504,37	
<b>IR DPSS AOM Q-SWITCHED PULSED LASERS, RLT AOL-3800 series</b>	<b>EUR</b>	<b>USD</b>	
	<b>AOM (Acusto-Optic Modulation) Q-switched Laser</b> 1 - 50 kHz Option: 5% power stability <b>80-250 VAC power supply included</b>		
	<b>3800 nm AOM Q-switched</b>	<b>1-3 pcs.</b>	<b>1-3 pcs.</b>
RLTAOL-3800-10-10, <b>3800 nm</b> , 10 mW @ 10 kHz, ~15ns pulse, <10% stability	18.133,00	20.419,93	
RLTAOL-3800-30-10, <b>3800 nm</b> , 30 mW @ 10 kHz, ~15ns pulse, <10% stability	21.760,00	24.504,37	
RLTAOL-3800-50-10, <b>3800 nm</b> , 50 mW @ 10 kHz, ~15ns pulse, <10% stability	25.387,00	28.588,81	
RLTAOL-3800-100-10, <b>3800 nm</b> , 100 mW @ 20 kHz, 5μJ, ~25ns pulse, <10% stability	29.013,00	32.672,12	
RLTAOL-3800-300-10, <b>3800 nm</b> , 300 mW @ 20 kHz, 15μJ, ~25ns pulse, <10% stability	32.640,00	36.756,56	
RLTAOL-3800-500-10, <b>3800 nm</b> , 500 mW @ 20 kHz, 25μJ, ~25ns pulse, <10% stability	36.267,00	40.840,99	
RLTAOL-3800-800-10, <b>3800 nm</b> , 800 mW @ 20 kHz, 40μJ, ~25ns pulse, <10% stability	39.893,00	44.924,31	
RLTAOL-3800-1W-10, <b>3800 nm</b> , 1 W @ 20 kHz, 50μJ, ~25ns pulse, <10% stability	43.520,00	49.008,74	
<b>LEDS - DEEP UV</b>			
<b>DEEP UV SINGLE Emitter LEDs 235 nm - 340 nm TO-Can</b>	<b>EUR</b>	<b>USD</b>	
	<b>single emitter DEEP-UV LEDs TO-Can</b> - TO39 can - quartz glass lens - water purification / desinfection / phototherapy DNA sequencing, Blood Gas Measurements		
	<b>260 nm - 340 nm</b> other wavelengths on request	<b>1-10 pcs.</b>	<b>1-10 pcs.</b>
<b>255 nm</b>			
UVTOP250-FW-TO39, <b>255 ± 5 nm</b> , 20 mA, TO-39, flat window	388,93	437,98	
UVTOP250-HL-TO39, <b>255 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	406,21	457,45	
UVTOP250-BL-TO39, <b>255 ± 5 nm</b> , 20 mA, TO-39, ball lens	421,77	474,97	
<b>265 nm</b>			
UVTOP260-FW-TO39, <b>265 ± 5 nm</b> , 20 mA, TO-39, flat window	368,19	414,62	
UVTOP260-HL-TO39, <b>265 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	383,74	432,14	
UVTOP260-BL-TO39, <b>265 ± 5 nm</b> , 20 mA, TO-39, ball lens	397,57	447,71	
DUV265-OC39, <b>265 ± 5 nm</b> , 0.9 mW at 20 mA, ± 72°, TO-39, open can	202,86	228,44	
DUV265-OC46, <b>265 ± 5 nm</b> , 0.9 mW at 20 mA, ± 72°, TO-46S, open can	202,86	228,44	
DUV265-FW5, <b>265 ± 5 nm</b> , 0.6 mW at 20 mA, ± 58°, TO-5, flat window	208,57	234,88	
DUV265-FW18, <b>265 ± 5 nm</b> , 0.4 mW at 20 mA, ± 55°, TO-18, flat window	208,57	234,88	

DUV265-HL5N, <b>265 ±5 nm</b> , 0.3 mW at 20 mA, ± 3°, TO-5, hemispherical lens	230,00	259,01
DUV265-HL5NR, <b>265 ±5 nm</b> , 0.5 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	235,71	265,44
DUV265-HL46N, <b>265 ±5 nm</b> , 0.3 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	230,00	259,01
DUV265-HL18M, <b>265 ±5 nm</b> , 0.4 mW at 20 mA, ± 12°, TO-18, hemispherical lens	230,00	259,01
DUV265-HL18W, <b>265 ±5 nm</b> , 0.4 mW at 20 mA, ± 20°, TO-18, hemispherical lens	230,00	259,01
<b>275 nm</b>		
UVTOP270-FW-TO39, <b>275 ± 5 nm</b> , 20 mA, TO-39, flat window	354,36	399,05
UVTOP270-HL-TO39, <b>275 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	368,19	414,62
UVTOP270-BL-TO39, <b>275 ± 5 nm</b> , 20 mA, TO-39, ball lens	383,74	432,14
DUV280-OC39, <b>280 ±5 nm</b> , 2 mW at 20 mA, ± 72°, TO-39, open can	167,14	188,22
DUV280-OC46, <b>280 ±5 nm</b> , 2 mW at 20 mA, ± 72°, TO-46S, open can	167,14	188,22
DUV280-FW5, <b>280 ±5 nm</b> , 1.5 mW at 20 mA, ± 58°, TO-5, flat window	172,86	194,66
DUV280-FW18, <b>280 ±5 nm</b> , 1.2 mW at 20 mA, ± 55°, TO-18, flat window	172,86	194,66
DUV280-HL5N, <b>280 ±5 nm</b> , 0.8 mW at 20 mA, ± 3°, TO-5, hemispherical lens	194,29	218,79
DUV280-HL5NR, <b>280 ±5 nm</b> , 0.6 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	200,00	225,22
DUV280-HL46N, <b>280 ±5 nm</b> , 0.9 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	194,29	218,79
DUV280-HL18M, <b>280 ±5 nm</b> , 1.2 mW at 20 mA, ± 12°, TO-18, hemispherical lens	194,29	218,79
DUV280-HL18W, <b>280 ±5 nm</b> , 1.0 mW at 20 mA, ± 20°, TO-18, hemispherical lens	194,29	218,79
<b>285 nm</b>		
UVTOP280-FW-TO39, <b>285 ± 5 nm</b> , 20 mA, TO-39, flat window	345,71	389,32
UVTOP280-HL-TO39, <b>285 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	361,27	406,83
UVTOP280-BL-TO39, <b>285 ± 5 nm</b> , 20 mA, TO-39, ball lens	375,10	422,41
<b>295 nm</b>		
UVTOP290-FW-TO39, <b>295 ± 5 nm</b> , 20 mA, TO-39, flat window	324,97	365,96
UVTOP290-HL-TO39, <b>295 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	338,80	381,53
UVTOP290-BL-TO39, <b>295 ± 5 nm</b> , 20 mA, TO-39, ball lens	352,63	397,10
<b>310 nm</b>		
UVTOP305-FW-TO39, <b>310 ± 5 nm</b> , 20 mA, TO-39, flat window	305,96	344,54
UVTOP305-HL-TO39, <b>310 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	318,06	358,17
UVTOP305-BL-TO39, <b>310 ± 5 nm</b> , 20 mA, TO-39, ball lens	331,89	373,74
DUV310-OC39, <b>310 ±5 nm</b> , 1.6 mW at 20 mA, ± 72°, TO-39, open can	148,57	167,31
DUV310-OC46, <b>310 ±5 nm</b> , 1.6 mW at 20 mA, ± 72°, TO-46S, open can	148,57	167,31
DUV310-FW5, <b>310 ±5 nm</b> , 0.8 mW at 20 mA, ± 58°, TO-5, flat window	154,29	173,74
DUV310-FW18, <b>310 ±5 nm</b> , 0.7 mW at 20 mA, ± 55°, TO-18, flat window	154,29	173,74
DUV310-HL5N, <b>310 ±5 nm</b> , 0.4 mW at 20 mA, ± 3°, TO-5, hemispherical lens	175,71	197,88
DUV310-HL5NR, <b>310 ±5 nm</b> , 0.9 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	182,86	205,92
DUV310-HL46N, <b>310 ±5 nm</b> , 0.4 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	175,71	197,88
DUV310-HL18M, <b>310 ±5 nm</b> , 0.6 mW at 20 mA, ± 12°, TO-18, hemispherical lens	175,71	197,88
DUV310-HL18W, <b>310 ±5 nm</b> , 0.6 mW at 20 mA, ± 20°, TO-18, hemispherical lens	175,71	197,88
<b>325 nm</b>		
DUV325-OC39, <b>325 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, TO-39, open can	107,14	120,66
DUV325-OC46, <b>325 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, TO-46S, open can	107,14	120,66
DUV325-FW5, <b>325 ±5 nm</b> , 0.9 mW at 20 mA, ± 58°, TO-5, flat window	112,86	127,09
DUV325-FW18, <b>325 ±5 nm</b> , 0.8 mW at 20 mA, ± 55°, TO-18, flat window	112,86	127,09
DUV325-HL5N, <b>325 ±5 nm</b> , 0.5 mW at 20 mA, ± 3°, TO-5, hemispherical lens	134,29	151,22
DUV325-HL5NR, <b>325 ±5 nm</b> , 0.9 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	140,00	157,66
DUV325-HL46N, <b>325 ±5 nm</b> , 0.5 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	134,29	151,22
DUV325-HL18M, <b>325 ±5 nm</b> , 0.8 mW at 20 mA, ± 12°, TO-18, hemispherical lens	134,29	151,22
DUV325-HL18W, <b>325 ±5 nm</b> , 0.7 mW at 20 mA, ± 20°, TO-18, hemispherical lens	134,29	151,22
<b>340 nm</b>		
UVTOP335-FW-TO39, <b>340 ± 5 nm</b> , 20 mA, TO-39, flat window	o.r.	o.r.
UVTOP335-HL-TO39, <b>340 ± 5 nm</b> , 20 mA, TO-39, hemispherical lens	o.r.	o.r.
DUV340-OC39, <b>340 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, TO-39, open can	107,14	120,66
DUV340-OC46, <b>340 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, TO-46S, open can	107,14	120,66
DUV340-FW5, <b>340 ±5 nm</b> , 1.0 mW at 20 mA, ± 58°, TO-5, flat window	112,86	127,09
DUV340-FW18, <b>340 ±5 nm</b> , 0.8 mW at 20 mA, ± 55°, TO-18, flat window	112,86	127,09
DUV340-HL5N, <b>340 ±5 nm</b> , 0.6 mW at 20 mA, ± 3°, TO-5, hemispherical lens	134,29	151,22
DUV340-HL5NR, <b>340 ±5 nm</b> , 0.7 mW at 20 mA, ± 3°, TO-5, hemispherical lens with reflector	140,00	157,66
DUV340-HL46N, <b>340 ±5 nm</b> , 0.6 mW at 20 mA, ± 3°, TO-46S, hemispherical lens	134,29	151,22
DUV340-HL18M, <b>340 ±5 nm</b> , 0.8 mW at 20 mA, ± 12°, TO-18, hemispherical lens	134,29	151,22

DUV340-HL18W, <b>340 ± 5 nm</b> , 0.8 mW at 20 mA, ± 20°, TO-18, hemispherical lens	134,29	151,22
<b>DEEP UV HIGH POWER LED ARRAYS 255 nm - 345 nm TO-Can 4-9 chip dies</b>	<b>EUR</b>	<b>USD</b>
<b>4 &amp; 9 chip DEEP-UV LEDs TO-Can</b>  - TO39 - Output power up to 5 mW - quartz glass lens or flat window - <b>water purification / disinfection / phototherapy</b> <b>DNA sequencing, Blood Gas Measurements</b>		
	1-10 pcs.	1-10 pcs.
<b>255 nm</b>		
UVLUX250-FW-3, <b>255 ± 5 nm</b> , 1-3 mW, TO-39, flat window	931,22	1.048,67
UVLUX250-FW-5, <b>255 ± 5 nm</b> , 3-5 mW, TO-39, flat window	1.074,71	1.210,25
UVLUX250-HL-3, <b>255 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	945,57	1.064,83
UVLUX250-HL-5, <b>255 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	1.103,41	1.242,57
<b>265 nm</b>		
UVLUX260-FW-3, <b>265 ± 5 nm</b> , 1-3 mW, TO-39, flat window	500,77	563,92
UVLUX260-FW-5, <b>265 ± 5 nm</b> , 3-5 mW, TO-39, flat window	1.002,97	1.129,46
UVLUX260-HL-3, <b>265 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	515,11	580,08
UVLUX260-HL-5, <b>265 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	1.046,01	1.177,93
<b>275 nm</b>		
UVLUX270-FW-3, <b>275 ± 5 nm</b> , 1-3 mW, TO-39, flat window	429,02	483,13
UVLUX270-FW-5, <b>275 ± 5 nm</b> , 3-5 mW, TO-39, flat window	931,22	1.048,67
UVLUX270-HL-3, <b>275 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	457,72	515,45
UVLUX270-HL-5, <b>275 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	945,57	1.064,83
<b>280 nm</b>		
UVLUX275-FW-3, <b>280 ± 5 nm</b> , 1-3 mW, TO-39, flat window	429,02	483,13
UVLUX275-FW-5, <b>280 ± 5 nm</b> , 3-5 mW, TO-39, flat window	902,53	1.016,35
UVLUX275-HL-3, <b>280 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	457,72	515,45
UVLUX275-HL-5, <b>280 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	931,22	1.048,67
<b>290 nm</b>		
UVLUX285-FW-3, <b>290 ± 5 nm</b> , 1-3 mW, TO-39, flat window	400,33	450,81
UVLUX285-FW-5, <b>290 ± 5 nm</b> , 3-5 mW, TO-39, flat window	873,83	984,04
UVLUX285-HL-3, <b>290 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	414,67	466,97
UVLUX285-HL-5, <b>290 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	888,18	1.000,19
<b>300 nm</b>		
UVLUX295-FW-3, <b>300 ± 5 nm</b> , 1-3 mW, TO-39, flat window	357,28	402,34
UVLUX295-FW-5, <b>300 ± 5 nm</b> , 3-5 mW, TO-39, flat window	859,48	967,88
UVLUX295-HL-3, <b>300 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	371,63	418,50
UVLUX295-HL-5, <b>300 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	873,83	984,04
<b>310 nm</b>		
UVLUX305-FW-3, <b>310 ± 5 nm</b> , 1-3 mW, TO-39, flat window	328,58	370,02
UVLUX305-FW-5, <b>310 ± 5 nm</b> , 3-5 mW, TO-39, flat window	787,74	887,09
UVLUX305-HL-3, <b>310 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	342,93	386,18
UVLUX305-HL-5, <b>310 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	802,09	903,24
<b>320 nm</b>		
UVLUX315-FW-3, <b>320 ± 5 nm</b> , 1-3 mW, TO-39, flat window	328,58	370,02
UVLUX315-FW-5, <b>320 ± 5 nm</b> , 3-5 mW, TO-39, flat window	787,74	887,09
UVLUX315-HL-3, <b>320 ± 5 nm</b> , 1-3 mW, TO-39, hemispherical lens	342,93	386,18
UVLUX315-HL-5, <b>320 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens	802,09	903,24
<b>330 nm</b>		
UVLUX320-FW-3, <b>330 ± 10 nm</b> , 1-3 mW, TO-39, flat window	285,54	321,55
UVLUX320-FW-5, <b>330 ± 10 nm</b> , 3-5 mW, TO-39, flat window	715,99	806,29
UVLUX320-HL-3, <b>330 ± 10 nm</b> , 1-3 mW, TO-39, hemispherical lens	299,89	337,71
UVLUX320-HL-5, <b>330 ± 10 nm</b> , 3-5 mW, TO-39, hemispherical lens	730,34	822,45
<b>340 nm</b>		
UVLUX335-FW-P, <b>340 ± 5 nm</b> , 1-3 mW, TO-39, flat window, <b>single chip design</b>	471,00	530,40
UVLUX335-HL-P, <b>340 ± 5 nm</b> , 3-5 mW, TO-39, hemispherical lens, <b>single chip design</b>	489,00	550,67
<b>DEEP UV LEDs 235 nm - 340 nm Fiber coupled</b>	<b>EUR</b>	<b>USD</b>

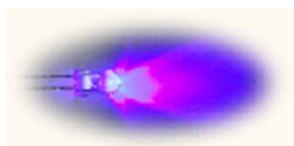
	<b>DEEP-UV LEDs fiber coupled</b>		
	<ul style="list-style-type: none"> <li>- single chip and multi wavelength available</li> <li>- pigtail or SMA connector only</li> <li>- output power up to 150 µW</li> <li>- 600µm anti-solarization UV resistant fiber</li> <li>- 400, 800, and 1000µm available on request</li> </ul>		
		1-10 pcs.	1-10 pcs.
<b>235 nm (evaluation samples only)</b>			
UVTOP230-PT6S, <b>235 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		o.r	o.r
UVTOP230-PT6, <b>235 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		o.r	o.r
UVTOP230-SMA, <b>235 ± 5 nm</b> , 20 mA, SMA connector only		o.r	o.r
<b>245 nm</b>			
UVTOP240-PT6, <b>245 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		1.606,11	1.808,67
UVTOP240-PT6S, <b>245 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.533,04	1.726,39
UVTOP240-SMA, <b>245 ± 5 nm</b> , 20 mA, SMA connector only		1.533,04	1.726,39
<b>250 nm</b>			
UVTOP245-PT6S, <b>250 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.459,97	1.644,10
UVTOP245-PT6, <b>250 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		1.386,90	1.561,81
UVTOP245-SMA, <b>250 ± 5 nm</b> , 20 mA, SMA connector only		1.386,90	1.561,81
<b>255 nm</b>			
UVTOP250-PT6S, <b>255 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.313,82	1.479,52
UVTOP250-PT6, <b>255 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		1.240,75	1.397,24
UVTOP250-SMA, <b>255 ± 5 nm</b> , 20 mA, SMA connector only		1.240,75	1.397,24
<b>265 nm</b>			
UVTOP260-PT6S, <b>265 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.240,75	1.397,24
UVTOP260-PT6, <b>265 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		1.167,68	1.314,95
UVTOP260-SMA, <b>265 ± 5 nm</b> , 20 mA, SMA connector only		1.167,68	1.314,95
<b>275 nm</b>			
UVTOP270-PT6S, <b>275 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.167,68	1.314,95
UVTOP270-PT6, <b>275 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		1.094,61	1.232,66
UVTOP270-SMA, <b>275 ± 5 nm</b> , 20 mA, SMA connector only		1.094,61	1.232,66
<b>285 nm</b>			
UVTOP280-PT6S, <b>285 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.094,61	1.232,66
UVTOP280-PT6, <b>285 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		1.021,54	1.150,38
UVTOP280-SMA, <b>285 ± 5 nm</b> , 20 mA, SMA connector only		1.021,54	1.150,38
<b>295 nm</b>			
UVTOP290-PT6S, <b>295 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		1.021,54	1.150,38
UVTOP290-PT6, <b>295 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		948,51	1.068,14
UVTOP290-SMA, <b>295 ± 5 nm</b> , 20 mA, SMA connector only		948,51	1.068,14
<b>305 nm</b>			
UVTOP300-PT6S, <b>305 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		948,51	1.068,14
UVTOP300-PT6, <b>305 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		875,44	985,85
UVTOP300-SMA, <b>305 ± 5 nm</b> , 20 mA, SMA connector only		875,44	985,85
<b>315 nm</b>			
UVTOP310-PT6S, <b>315 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		948,51	1.068,14
UVTOP310-PT6, <b>315 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		875,44	985,85
UVTOP310-SMA, <b>315 ± 5 nm</b> , 20 mA, SMA connector only		875,44	985,85
<b>325 nm</b>			
UVTOP320-PT6S, <b>325 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		875,44	985,85
UVTOP320-PT6, <b>325 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		802,37	903,57
UVTOP320-SMA, <b>325 ± 5 nm</b> , 20 mA, SMA connector only		802,37	903,57
<b>340 nm</b>			
UVTOP335-PT6S, <b>340 ± 5 nm</b> , 20 mA, fiber pigtail with SMA connector, 600µm, 50cm		802,37	903,57
UVTOP335-PT6, <b>340 ± 5 nm</b> , 20 mA, fiber pigtail, 600µm, 50cm		729,30	821,28
UVTOP335-SMA, <b>340 ± 5 nm</b> , 20 mA, SMA connector only		729,30	821,28
<b>DEEP UV LEDs 265 nm - 340 nm SMD</b>		<b>EUR</b>	<b>USD</b>

	<b>single emitter DEEP-UV LEDs SMD</b> <ul style="list-style-type: none"> <li>- Bare chip die, chip on submount, SMD</li> <li>- reflow solderable</li> <li>- for industrial processing</li> <li>- water purification / disinfection / phototherapy</li> <li>DNA sequencing, Blood Gas Measurements</li> </ul> <p><b>265 nm - 340 nm</b></p>		
<b>265 nm</b>		<b>1-10 pcs.</b>	<b>1-10 pcs.</b>
DUV265-CHIP, <b>265 ±5 nm</b> , 0.9 mW at 20 mA, ± 72°, bare chip die		185,71	209,14
DUV265-CS1, <b>265 ±5 nm</b> , 0.9 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm		191,43	215,57
DUV265-CS2, <b>265 ±5 nm</b> , 0.9 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm		191,43	215,57
DUV265-SMD, <b>265 ±5 nm</b> , 0.5 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window		188,57	212,35
<b>275 nm</b>			
UVTOP270-FW-SMD, <b>275 ±5 nm</b> , 20 mA, 3.5x3.5x0.8mm SMD, flat window		56,57	63,70
<b>280 nm</b>			
DUV280-CHIP, <b>280 ±5 nm</b> , 2 mW at 20 mA, ± 72°, bare chip die		150,00	168,92
DUV280-CS1, <b>280 ±5 nm</b> , 2 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm		155,71	175,35
DUV280-CS2, <b>280 ±5 nm</b> , 2 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm		155,71	175,35
DUV280-SMD, <b>280 ±5 nm</b> , 1.2 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window		155,71	175,35
<b>285 nm</b>			
UVTOP280-FW-SMD, <b>285 ±5 nm</b> , 20 mA, 3.5x3.5x0.8mm SMD, flat window		56,57	63,70
<b>295 nm</b>			
UVTOP290-FW-SMD, <b>295 ±5 nm</b> , 20 mA, 3.5x3.5x0.8mm SMD, flat window		56,57	63,70
<b>310 nm</b>			
UVTOP305-FW-SMD, <b>310 ±5 nm</b> , 20 mA, 3.5x3.5x0.8mm SMD, flat window		56,57	63,70
DUV310-CHIP, <b>310 ±5 nm</b> , 1.6 mW at 20 mA, ± 72°, bare chip die		131,43	148,00
DUV310-CS1, <b>310 ±5 nm</b> , 1.6 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm		138,57	156,05
DUV310-CS2, <b>310 ±5 nm</b> , 1.6 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm		138,57	156,05
DUV310-SMD, <b>310 ±5 nm</b> , 0.8 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window		138,57	156,05
<b>325 nm</b>			
DUV325-CHIP, <b>325 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, bare chip die		90,00	101,35
DUV325-CS1, <b>325 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm		95,71	107,79
DUV325-CS2, <b>325 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm		95,71	107,79
DUV325-SMD, <b>325 ±5 nm</b> , 0.9 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window		101,43	114,22
<b>340 nm</b>			
DUV340-CHIP, <b>340 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, bare chip die		90,00	101,35
DUV340-CS1, <b>340 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 1.3 x 1.5 mm		95,71	107,79
DUV340-CS2, <b>340 ±5 nm</b> , 1.5 mW at 20 mA, ± 72°, bare die on Si submount, 0.9 x 0.8 mm		95,71	107,79
DUV340-SMD, <b>340 ±5 nm</b> , 1.2 mW at 20 mA, ± 56°, ceramic SMD 3020, flat window		101,43	114,22
<b>DEEP UV LED ARRAYS 265 nm - 340 nm SMD 9 chip dies</b>		<b>EUR</b>	<b>USD</b>
	<ul style="list-style-type: none"> <li>- 9 chip DEEP-UV SMD LED array</li> <li>- Output power up to 11mW</li> <li>- Aperture area ~20mm"</li> <li>- flat quartz glass window</li> <li>- ESD protection</li> </ul> <p><b>265 nm - 340 nm</b></p>		
		<b>1-10 pcs.</b>	<b>1-10 pcs.</b>
DUV265-A9C, <b>265 ±5 nm</b> , 5.7 mW at 60 mA, ± 65°, 30x30x3 mm, flat window		1.428,00	1.608,10
DUV280-A9C, <b>280 ±10 nm</b> , 10.8 mW at 60 mA, ± 65°, 30x30x3 mm, flat window		1.183,00	1.332,20
DUV310-A9C, <b>310 ±5 nm</b> , 6.2 mW at 60 mA, ± 65°, 30x30x3 mm, flat window		1.058,00	1.191,43
DUV325-A9C, <b>325 ±5 nm</b> , 8.8 mW at 60 mA, ± 65°, 30x30x3 mm, flat window		771,00	868,24
DUV340-A9C, <b>340 ±5 nm</b> , 8.8 mW at 60 mA, ± 65°, 30x30x3 mm, flat window		771,00	868,24
<b>DEEP UV HIGH POWER SINGLE Emitter LED SMD</b>		<b>EUR</b>	<b>USD</b>
	<p><b>High Power single chip design</b></p> <ul style="list-style-type: none"> <li>- small foot print: 4.2 x 4.2 mm</li> <li>- reflow solderable</li> <li>- RoHS compliant</li> </ul> <p><b>10 mW</b> <b>275 nm, 285 nm</b></p>		
		<b>1-10 pcs.</b>	<b>1-10 pcs.</b>

UVMAX270-SMD-10, <b>275 ± 5 nm</b> , 10 mW, SMD	289,14	325,61
UVMAX280-SMD-10, <b>285 ± 5 nm</b> , 10 mW, SMD	289,14	325,61
<b>DEEP UV HIGH POWER LED ARRAYS 255 nm - 345 nm TO-Can 32-64 chip dies</b>	<b>EUR</b>	<b>USD</b>
	<b>32 &amp; 64 chip DEEP-UV LED Arrays</b> - TO-3 - Output power up to 50 mW - quartz glass lens or flat window - TEC (optional)	
<b>255 nm - 345 nm</b>		
	1-10 pcs.	1-10 pcs.
<b>255 nm</b>		
UVMAX250-FW-15, <b>255 ± 5 nm</b> , 10-15 mW, TO-3, flat window	3.083,51	3.472,40
UVMAX250-FW-15-TEC, <b>255 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	3.226,99	3.633,98
UVMAX250-HL-15, <b>255 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	3.155,25	3.553,19
UVMAX250-HL-15-TEC, <b>255 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	3.298,74	3.714,77
UVMAX250-FW-50, <b>255 ± 5 nm</b> , 30-50 mW, TO-3, flat window	8.966,11	10.096,91
UVMAX250-FW-50-TEC, <b>255 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	9.253,08	10.420,08
UVMAX250-HL-50, <b>255 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	9.253,08	10.420,08
UVMAX250-HL-50-TEC, <b>255 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	9.683,54	10.904,82
<b>265 nm</b>		
UVMAX260-FW-15, <b>265 ± 5 nm</b> , 10-15 mW, TO-3, flat window	2.724,79	3.068,44
UVMAX260-FW-15-TEC, <b>265 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	2.868,28	3.230,03
UVMAX260-HL-15, <b>265 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	2.796,54	3.149,24
UVMAX260-HL-15-TEC, <b>265 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	3.226,99	3.633,98
UVMAX260-FW-50, <b>265 ± 5 nm</b> , 30-50 mW, TO-3, flat window	8.320,42	9.369,79
UVMAX260-FW-50-TEC, <b>265 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	8.607,39	9.692,96
UVMAX260-HL-50, <b>265 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	8.607,39	9.692,96
UVMAX260-HL-50-TEC, <b>265 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	9.037,85	10.177,70
<b>275 nm</b>		
UVMAX270-FW-15, <b>275 ± 5 nm</b> , 10-15 mW, TO-3, flat window	2.437,82	2.745,28
UVMAX270-FW-15-TEC, <b>275 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	2.581,31	2.906,86
UVMAX270-HL-15, <b>275 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	2.509,57	2.826,07
UVMAX270-HL-15-TEC, <b>275 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	2.653,05	2.987,65
UVMAX270-FW-50, <b>275 ± 5 nm</b> , 30-50 mW, TO-3, flat window	7.602,99	8.561,88
UVMAX270-FW-50-TEC, <b>275 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	7.889,96	8.885,05
UVMAX270-HL-50, <b>275 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	7.889,96	8.885,05
UVMAX270-HL-50-TEC, <b>275 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	8.176,94	9.208,21
<b>280 nm</b>		
UVMAX275-FW-15, <b>280 ± 5 nm</b> , 10-15 mW, TO-3, flat window	2.150,85	2.422,12
UVMAX275-FW-15-TEC, <b>280 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	2.294,34	2.583,70
UVMAX275-HL-15, <b>280 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	2.222,59	2.502,91
UVMAX275-HL-15-TEC, <b>280 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	2.366,08	2.664,49
UVMAX275-FW-50, <b>280 ± 5 nm</b> , 30-50 mW, TO-3, flat window	6.885,56	7.753,97
UVMAX275-FW-50-TEC, <b>280 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	7.172,54	8.077,14
UVMAX275-HL-50, <b>280 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	7.172,54	8.077,14
UVMAX275-HL-50-TEC, <b>280 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	7.459,51	8.400,30
<b>290 nm</b>		
UVMAX285-FW-15, <b>290 ± 5 nm</b> , 10-15 mW, TO-3, flat window	1.863,88	2.098,95
UVMAX285-FW-15-TEC, <b>290 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	2.007,37	2.260,53
UVMAX285-HL-15, <b>290 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	1.935,62	2.179,74
UVMAX285-HL-15-TEC, <b>290 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	2.079,11	2.341,33
UVMAX285-FW-50, <b>290 ± 5 nm</b> , 30-50 mW, TO-3, flat window	5.737,68	6.461,31
UVMAX285-FW-50-TEC, <b>290 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	6.168,14	6.946,06
UVMAX285-HL-50, <b>290 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	6.024,65	6.784,48
UVMAX285-HL-50-TEC, <b>290 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	6.455,11	7.269,23
<b>300 nm</b>		
UVMAX295-FW-15, <b>300 ± 5 nm</b> , 10-15 mW, TO-3, flat window	1.289,94	1.452,62
UVMAX295-FW-15-TEC, <b>300 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	1.433,42	1.614,21
UVMAX295-HL-15, <b>300 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	1.361,68	1.533,41
UVMAX295-HL-15-TEC, <b>300 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	1.505,17	1.695,00

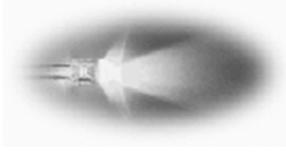
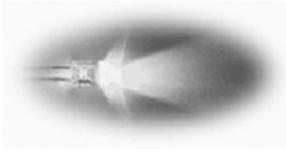
UVMAX295-FW-50, <b>300 ± 5 nm</b> , 30-50 mW, TO-3, flat window	5.450,71	6.138,15
UVMAX295-FW-50-TEC, <b>300 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	5.737,68	6.461,31
UVMAX295-HL-50, <b>300 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	5.737,68	6.461,31
UVMAX295-HL-50-TEC, <b>300 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	6.024,65	6.784,48
<b>310 nm</b>		
UVMAX305-FW-15, <b>310 ± 5 nm</b> , 10-15 mW, TO-3, flat window	1.218,19	1.371,83
UVMAX305-FW-15-TEC, <b>310 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	1.289,94	1.452,62
UVMAX305-HL-15, <b>310 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	1.289,94	1.452,62
UVMAX305-HL-15-TEC, <b>310 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	1.361,68	1.533,41
UVMAX305-FW-50, <b>310 ± 5 nm</b> , 30-50 mW, TO-3, flat window	5.163,74	5.814,99
UVMAX305-FW-50-TEC, <b>310 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	5.450,71	6.138,15
UVMAX305-HL-50, <b>310 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	5.450,71	6.138,15
UVMAX305-HL-50-TEC, <b>310 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	5.737,68	6.461,31
<b>320 nm</b>		
UVMAX315-FW-15, <b>320 ± 5 nm</b> , 10-15 mW, TO-3, flat window	1.218,19	1.371,83
UVMAX315-FW-15-TEC, <b>320 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	1.289,94	1.452,62
UVMAX315-HL-15, <b>320 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	1.289,94	1.452,62
UVMAX315-HL-15-TEC, <b>320 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	1.361,68	1.533,41
UVMAX315-FW-50, <b>320 ± 5 nm</b> , 30-50 mW, TO-3, flat window	5.163,74	5.814,99
UVMAX315-FW-50-TEC, <b>320 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	5.450,71	6.138,15
UVMAX315-HL-50, <b>320 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	5.450,71	6.138,15
UVMAX315-HL-50-TEC, <b>320 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	5.737,68	6.461,31
<b>330 nm</b>		
UVMAX320-FW-15, <b>330 ± 10 nm</b> , 10-15 mW, TO-3, flat window	931,22	1.048,67
UVMAX320-FW-15-TEC, <b>330 ± 10 nm</b> , 10-15 mW, TO-3 with TEC, flat window	1.002,97	1.129,46
UVMAX320-HL-15, <b>330 ± 10 nm</b> , 10-15 mW, TO-3, hemispherical lens	1.002,97	1.129,46
UVMAX320-HL-15-TEC, <b>330 ± 10 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	1.074,71	1.210,25
UVMAX320-FW-50, <b>330 ± 10 nm</b> , 30-50 mW, TO-3, flat window	4.446,31	5.007,08
UVMAX320-FW-50-TEC, <b>330 ± 10 nm</b> , 30-50 mW, TO-3 with TEC, flat window	5.020,25	5.653,40
UVMAX320-HL-50, <b>330 ± 10 nm</b> , 30-50 mW, TO-3, hemispherical lens	4.733,28	5.330,24
UVMAX320-HL-50-TEC, <b>330 ± 10 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	5.307,22	5.976,57
<b>340 nm</b>		
UVMAX335-FW-15, <b>340 ± 5 nm</b> , 10-15 mW, TO-3, flat window	931,22	1.048,67
UVMAX335-FW-15-TEC, <b>340 ± 5 nm</b> , 10-15 mW, TO-3 with TEC, flat window	1.002,97	1.129,46
UVMAX335-HL-15, <b>340 ± 5 nm</b> , 10-15 mW, TO-3, hemispherical lens	1.002,97	1.129,46
UVMAX335-HL-15-TEC, <b>340 ± 10 nm</b> , 10-15 mW, TO-3, hemispherical lens, TEC	1.074,71	1.210,25
UVMAX335-FW-50, <b>340 ± 5 nm</b> , 30-50 mW, TO-3, flat window	4.446,31	5.007,08
UVMAX335-FW-50-TEC, <b>340 ± 5 nm</b> , 30-50 mW, TO-3 with TEC, flat window	5.020,25	5.653,40
UVMAX335-HL-50, <b>340 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens	4.733,28	5.330,24
UVMAX335-HL-50-TEC, <b>340 ± 5 nm</b> , 30-50 mW, TO-3, hemispherical lens, TEC	5.307,22	5.976,57
<b>UV-Tester for DEEP-UV LEDs</b>	<b>EUR</b>	<b>USD</b>
 DC power supply for DEEP-UV LEDs 2...50mA (depending on wavelength)		
	1-5 pcs.	1-5 pcs.
UVTOP Tester-cal, 1...20 mA, calibrated, 80x60x22 mm³, 100 g, 9V battery included	245,00	275,90
<b>UVDRIVE precision driver for DEEP UV LEDs</b>	<b>EUR</b>	<b>USD</b>
 AC/DC precision current driver digital monitoring display current continuously adjust. up to 180mA LED fixture and cable included <b>110-240VAC power supply included</b>		
	1-5 pcs.	1-5 pcs.
UVDRIVE-50, up to 50 mA, current display, 145x83x65 mm³, 280 g, 110-240 VAC	n.a	n.a
UVDRIVE-80, up to 80 mA, current display, 145x83x65 mm³, 280 g, 110-240 VAC	n.a	n.a
UVDRIVE-180, up to 180 mA, current display, 145x83x65 mm³, 280 g, 110-240 VAC	n.a	n.a

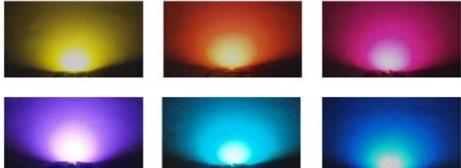
# LEDS - UV

UV-LEDs 340 nm - 395 nm	EUR	USD
		
UV-LEDs different packages: 3mm and 5 mm clear epoxy, TO packages and SMD packages		
	1-49 pcs.	1-49 pcs.
XSL-355-3E-R6, <b>355 nm</b> , 1.8-2.4 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	11,24	12,66
XSL-355-5E-R6, <b>355 nm</b> , 1.8-2.4 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	11,24	12,66
XSL-360-3E, <b>360 nm</b> , 1.2-1.8 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	9,20	10,36
XSL-360-5E, <b>360 nm</b> , 1.2-1.8 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	9,20	10,36
RLT360-1.5-30-3CC, <b>361 nm</b> , 1.5 mW at 3x20 mA, 3 chips ~30°, 5 mm clear epoxy	14,40	16,22
RLT360-BL-TO18, <b>361 nm</b> , 400-700 uW at 20 mA, 10°, TO18 with glass ball lens	8,52	9,59
XSL-365-3E, <b>365 nm</b> , 2.4-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	6,95	7,83
XSL-365-5E, <b>365 nm</b> , 2.4-6.0 mW at 20 mA, 15°, 5 mm UV resistant clear epoxy (silicone)	6,13	6,90
XSL-365-TB, <b>365 nm</b> , 0.6-0.8 mW at 20 mA, 10°, TO-46 with glass ball lens	6,13	6,90
XSL-365-TF, <b>365 nm</b> , 0.6-0.8 mW at 20 mA, 100°, TO-46 with flat glass window	6,13	6,90
UVLED365-10E, <b>365 nm</b> , 2.0 mW at 20 mA, 10°, TO-46 with glass ball lens	5,78	6,51
UVLED365-110E, <b>365 nm</b> , 2.0 mW at 20 mA, 100°, TO-46 with flat glass window	4,94	5,56
RLT365-10, <b>365 nm</b> , 1.2 mW at 20 mA, 10°, aluminium housing with <b>UV cut-off filter</b>	48,20	54,28
RLT365-10E, <b>365 nm</b> , 1.7 mW at 20 mA, 10°, aluminium housing with <b>UV cut-off filter</b>	50,20	56,53
RLT365-110E, <b>365 nm</b> , 1.7 mW at 20 mA, 100°, aluminium housing with <b>UV cut-off filter</b>	50,20	56,53
LED365-06Z, <b>365 nm</b> , 5.5 mW at 20 mA, 4°, 5 mm clear UV-resistant epoxy	7,59	8,55
XSL-370-3E, <b>370 nm</b> , 4.0-6.0 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	5,32	5,99
XSL-370-5E, <b>370 nm</b> , 4.0-6.0 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	4,50	5,07
VL370-5-15, <b>370 nm</b> , 2.0-4.0 mW at 20 mA, 15°, 5 mm clear epoxy	3,14	3,54
VL370-TH-45, <b>370 nm</b> , 1.4-2.0 mW at 20 mA, 45°, 5 mm clear epoxy	3,14	3,54
RLT370-TO-18, <b>370 nm</b> , 400 uW at 20 mA, 15°, TO18 with glass ball lens	6,06	6,82
RLS-UV370, <b>370 nm</b> , 500 uW at 20 mA, 15°, TO18 with cap lens	4,75	5,35
RLS-UV370E, <b>370 nm</b> , 1 mW at 20 mA, 30°, 5 mm clear epoxy	5,75	6,48
XSL-370-TB-4, <b>370 nm</b> , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	5,07
XSL-370-TB-5, <b>370 nm</b> , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,50	5,07
XSL-370-TF-5, <b>370 nm</b> , 1.2-1.8 mW at 20 mA, 100°, TO-46 with flat glass window	5,52	6,22
RLT370-10E, <b>370 nm</b> , 4.7 mW at 20 mA, 10°, aluminium housing with <b>UV cut off-filter</b>	50,20	56,53
RLT370-110, <b>370 nm</b> , 2.0 mW at 20 mA, 110° aluminium housing with <b>UV cut off-filter</b>	45,45	51,18
UVLED370-10E, <b>370 nm</b> , 4.7 mW at 20 mA, 10°, TO-46 with glass ball lens	3,85	4,34
UVLED370-110E, <b>370 nm</b> , 5.5 mW at 20 mA, 110°, TO-46 with flat glass window	4,94	5,56
XRL-375-5E, <b>375 nm</b> , 19.0-26.0 mW at 20 mA, 40°, 5 mm clear UV-resistant epoxy	16,36	18,42
XSL-375-TB-4, <b>375 nm</b> , 0.8-1.2 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,53
XSL-375-TB-5, <b>375 nm</b> , 1.2-1.8 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,53
XSL-375-TB-6, <b>375 nm</b> , 1.8-2.4 mW at 20 mA, 10°, TO-46 with glass ball lens	4,91	5,53
XSL-375-TF-R2, <b>375 nm</b> , 4-6 mW at 20 mA, 100°, TO-46 with flat window	4,91	5,53
LED375-04, <b>375 nm</b> , 2.5 mW at 20 mA, +/-20°, 5 mm clear UV-resistant epoxy	9,72	10,95
LED375-06, <b>375 nm</b> , 2.5 mW at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	9,72	10,95
LED375-33, <b>375 nm</b> , 2.5 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	9,72	10,95
XSL-375-3E, <b>375 nm</b> , 11-17 mW at 20 mA, 30°, 3 mm clear UV-resistant epoxy	4,91	5,53
B5M-447-375S, <b>375nm</b> , 4 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	2,60	2,93
XSL-375-5E, <b>375 nm</b> , 6 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	2,52	2,84
XSL-375-5E-R4, <b>375 nm</b> , 8.4-14.0 mW at 20 mA, 15°, 5 mm clear UV-resistant mold	4,09	4,61
UVLED375-10-30, <b>375 nm</b> , 15 mW at 15 mA, +/-20°, 5 mm clear UV-resistant mold	2,90	3,27
B5M-447-380S, <b>380nm</b> , 5 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,18	1,33
VL380-5-15, <b>380 nm</b> , 4.0-7.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,96	2,21
RLS-UV380, <b>380 nm</b> , 9.0-15.0 mW at 20 mA, 30°, 5 mm clear epoxy	1,40	1,58
RLS-UV385, <b>385 nm</b> , 2 mW at 20 mA, 30°, 5 mm clear epoxy	0,97	1,09
LED385-03, <b>385 nm</b> , 11 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED385-04, <b>385 nm</b> , 11 mW at 20 mA, +/-20°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED385-33, <b>385 nm</b> , 11 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	8,15
385D30, <b>385 nm</b> , FWHM = 15 nm, 30°, 3-5 mW, 5 mm clear epoxy	5,05	5,69

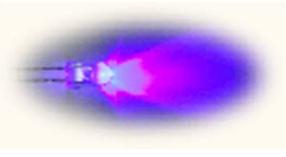
E1L5M-4POA2-01, <b>385 nm</b> , TO-46 ball lens, 16°, 1.5-2.3 mW at 20 mA	7,78	8,76
VL390-5-15, <b>390 nm</b> , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,50
HUUU-5102L, <b>393 nm</b> , FWHM=13 nm, 20°, 2 mW, 5 mm clear epoxy	5,05	5,69
RLU395-8-30, <b>395 nm</b> , 8 mW at 20 mA, 30°, 5 mm clear epoxy	2,20	2,48
RLS-UV395, <b>395 nm</b> , 7 mW at 20 mA, 30°, 5 mm clear epoxy,	0,68	0,77
B3B-447-CVD, <b>395 nm</b> , 15 mcd at 20 mA, 30°, 3 mm clear epoxy	1,95	2,20
LED395-33V, <b>395 nm</b> , 11 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	8,15
LED395-01V, <b>395 nm</b> , 11 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED395-02V, <b>395 nm</b> , 11 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	7,42	8,36
LED395-03V, <b>395 nm</b> , 11 mW at 20 mA, +/-10°, 5 mm clear UV-resistant epoxy	7,24	8,15

## LEDS - WHITE

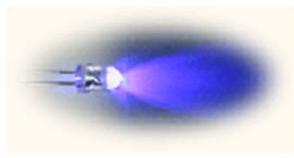
WHITE LEDs based on GaN	EUR	USD
 white LEDs, diverse packages Technology: blue GaN LED with YAG conversion 5mm and 3mm clear epoxy package		
	1-49 pcs.	1-49 pcs.
M5DLS1C1A, <b>warm white 3000K</b> , <b>1.3 cd</b> at 20 mA, SMD 3.2 x 2.8 mm <sup>2</sup> , 120°	1,20	1,35
W5DLS1C1A, <b>white</b> , <b>3.0 cd</b> at 20 mA, SMD 3.2 x 2.8 mm <sup>2</sup> , 120°	1,20	1,35
B3B-440-JB, <b>white</b> , <b>3.5 cd</b> at 20 mA, 20°, 3 mm clear epoxy	0,90	1,01
B3B-440-LBS, <b>white</b> , <b>10.5 cd</b> at 20 mA, 20°, 3 mm clear epoxy	0,90	1,01
B5-430-JD, <b>white</b> , <b>3.5 cd</b> at 20 mA, 30°, 5 mm clear epoxy	1,10	1,24
HUWH-5101L, <b>white</b> , <b>3.7 cd</b> at 20 mA, 5 mm clear epoxy	1,60	1,80
HUWH-3101L, <b>white</b> , <b>3.7 cd</b> at 20 mA, 3 mm clear epoxy	1,60	1,80
5W4HCA-P, <b>white</b> , <b>4.0-4.5 cd</b> at 20 mA, 20°, 5 mm clear epoxy	1,10	1,24
B5-43SUN-JD, <b>warm white</b> , (sunbeam) <b>4.5 cd</b> at 20 mA, 30°, 5 mm clear epoxy	1,10	1,24
B5-43SUN-JB, <b>warm white</b> , (sunbeam) <b>6.0 cd</b> at 20 mA, 20°, 5 mm clear epoxy	1,10	1,24
B5B-430-JB, <b>white</b> , <b>6.5 cd</b> at 20 mA, 8°, 5 mm clear epoxy	1,10	1,24
5W4HCA-H, <b>white</b> , <b>7.0-8.0 cd</b> at 20 mA, 20°, 5 mm clear epoxy	1,62	1,82
5W4HCA-U, <b>white</b> , <b>13.0-15.0 cd</b> at 20 mA, 20°, 5 mm clear epoxy	1,92	2,16
RLS-5W-180-S, <b>white</b> , <b>18.0 cd</b> at 20 mA, 15°, 5 mm clear epoxy	2,04	2,30
5W4HCA-H20-16, <b>white</b> , <b>18-26 cd</b> at 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	2,34	2,64
5W4HCA-H30-16, <b>white</b> , <b>12-17 cd</b> at 20 mA, 15 mil chip, 30°, 5 mm clear epoxy	2,34	2,64
RLS-5W-200-S, <b>white</b> , <b>20.0 cd</b> at 20 mA, 15°, 5 mm clear epoxy	2,34	2,64
5W4HCA-H20, <b>white</b> , <b>20-25 cd</b> at 20 mA, 15 mil chip, 20°, 5 mm clear epoxy	2,44	2,75
5W4HCA-H20-ULTRA, <b>white</b> , <b>27-33 cd</b> at 30 mA, 15 mil chip, 20°, 5 mm clear epoxy	3,60	4,05
PW5111A-Z3, <b>white</b> , <b>30-36 cd</b> at 20 mA, 15°, x/y = 0.31/0.30, 5 mm clear epoxy	3,70	4,17
W57L5111P, <b>white</b> , <b>45-60 cd</b> at 50 mA, 15°, 5mm clear epoxy	3,80	4,28
W54L5111P, <b>white</b> , <b>75 cd</b> at 50 mA, 15°, 5mm clear epoxy	3,80	4,28
M57L5111P, <b>warm white</b> , <b>30-35 cd</b> at 50 mA, 15°, 5mm clear epoxy	3,80	4,28
WHITE LEDs based on ZnSe	EUR	USD
 white LEDs, diverse packages Technology: ZnSe LED emits with light with two peaks: 484 nm and 605 nm, blue + yellow = white SMD package		
	1-49 pcs.	1-49 pcs.
RLZS-2012, <b>white</b> , 200-300mcd at 20mA, Uf=2.65V, 150°, 2012 <b>SMD</b>	1,49	1,68
RGB LEDs	EUR	USD
B5-4RGB-CBA, <b>RGB</b> , 625/525/470nm, 20°, comm. +, 5 mm clear epoxy	1,86	2,09
LEDS - SPECIAL COLOR		
<b>400 nm - 435 nm</b>	EUR	USD

	5mm clear epoxy type LEDs based on blue LED with <b>phosphor coating</b>		
		1-49 pcs.	1-49 pcs.
K64L5111A, <b>orchid</b> , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
K7DL5111A, <b>purple</b> , 8.4 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
B64L5111A, <b>Ice blue</b> , 20 cd at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
C24L5111A, <b>sky blue</b> , 4.5 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
C34L5111A, <b>cyan</b> , 6.7 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
CM4L5111A, <b>yolk</b> , 8.2 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
CG4L5111A, <b>orange peach</b> , 4.4 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	
CA4L5111A, <b>magenta</b> , 3.8 lm at 20 mA, 15°, 5mm clear epoxy	2,98	3,36	

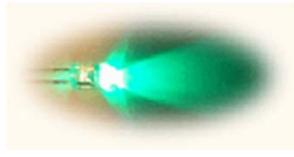
## LEDS - VIOLET

400 nm - 435 nm	EUR	USD
 blue violet LEDs packages: 3mm and 5 mm clear epoxy, TO packages		
	1-49 pcs.	1-49 pcs.
RLS-UV400, <b>400 nm</b> , 7.0-9.0 mW at 20 mA, 30°, 5 mm clear epoxy	0,30	0,34
LLS-UV400, <b>400 nm</b> , 19-23 mW at 20 mA, 30°, 5 mm clear epoxy	2,45	2,76
VL400-5-15, <b>400 nm</b> , 8.1-11.5 mW at 20 mA, 15°, 5 mm clear epoxy	1,33	1,50
XRL-400-5O, <b>400 nm</b> , 21-29 mW at 25 mA, 15°, 5 mm clear epoxy	8,18	9,21
XRL-400-5E, <b>400 nm</b> , 21-29 mW at 25 mA, 40°, 5 mm clear epoxy	8,18	9,21
5P4FCA, <b>405 nm</b> , 3-4 mW at 20 mA, 20°, 5 mm clear epoxy	1,62	1,82
LED405-02V, <b>405 nm</b> , 15 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED405-03V, <b>405 nm</b> , 15 mW at 20 mA, +/-10°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED405-05V, <b>405 nm</b> , 15 mW at 20 mA, +/-50°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED405-06V, <b>405 nm</b> , 15 mW / 140 mcd at 20 mA, +/-4°, 5 mm clear UV-resistant epoxy	7,24	8,15
LED405-33V, <b>405 nm</b> , 20 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	7,24	8,15
LED405-30M32, <b>405 nm</b> , 3 mW at 20 mA, +/-15°, TO-18 lenscap	8,90	10,02
B5B-437-CV, <b>405 nm</b> , FWHM=10 nm, +/-8°, 5-7 mW, 5 mm clear epoxy	2,55	2,87
B5-437-CVD, <b>405 nm</b> , FWHM=10 nm, +/-30°, 5-7 mW, 5 mm clear epoxy	2,55	2,87
LC503MUV1-30Q, <b>405 nm</b> , FWHM=12 nm, 5-6 mW, 30°, 5 mm clear epoxy	5,05	5,69
VL410-5-15, <b>410 nm</b> , 10.0-16.0 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,13
ELD-410-533, <b>410 nm</b> , 4-8 mW at 20 mA, 25°, 5 mm clear epoxy	3,30	3,72
RLS-410-3-25, <b>410 nm</b> , 3 mW at 20 mA, 25°, 5 mm clear epoxy	2,30	2,59
B5M-447-415S, <b>415nm</b> 9 mW at 20 mA, 15°, 5 mm clear UV-resistant epoxy	1,62	1,82
VL415-5-15, <b>415 nm</b> , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,89	2,13
VL415-3-20, <b>415 nm</b> , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	1,99	2,24
VL420-5-15, <b>420 nm</b> , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,99	2,24
LED420-01, <b>420 nm</b> , 60 mW/sr, 15 mW at 20 mA, +/-8°, 5 mm clear UV-resistant epoxy	6,18	6,96
LED420-33, <b>420 nm</b> , 18 mW/sr, 15 mW at 20 mA, +/-13°, 3 mm clear UV-resistant epoxy	6,18	6,96
LED425-6-30, <b>425 nm</b> , 6-8 mW at 20 mA, +/-15°, 5 mm epoxy	3,23	3,64
VL425-5-15, <b>425 nm</b> , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	2,78	3,13
VL425-3-20, <b>425 nm</b> , 10-16 mW at 20 mA, 20°, 3 mm clear epoxy	2,88	3,24
VL430-5-15, <b>430 nm</b> , 10-16 mW at 20 mA, 15°, 5 mm clear epoxy	1,99	2,24
LED430-02, <b>430 nm</b> , 2 cd, 22 mW at 20 mA, +/-11°, 5 mm clear UV-resistant epoxy	5,80	6,53
LED430-06, <b>430 nm</b> , 2 cd, 22 mW at 20 mA, +/-5°, 5 mm clear UV-resistant epoxy	6,45	7,26
LED430-05U, <b>430 nm</b> , 10 mcd, 0.3 mW at 20 mA, +/-40°, 5 mm epoxy ► <b>PHASE OUT</b>	1,20	1,35
LED430-33, <b>430 nm</b> , 0.3 cd, 4.5 mW at 20 mA, +/-15°, 3 mm epoxy	6,18	6,96
LED435-6-30, <b>435 nm</b> , 5-7 mW at 20 mA, +/-15°, 5mm epoxy	2,33	2,62
LED435-12-30, <b>435 nm</b> , 10-14 mW at 20 mA, +/-15°, 5mm epoxy	3,23	3,64
LED435-03, <b>435 nm</b> , 20 mW at 20 mA, +/-12°, 5 mm epoxy	3,60	4,05
LED435-30M32, <b>435 nm</b> , 2.2 mW at 20 mA, +/-10°, TO-18 lenscap	10,78	12,14
LED440-6-30, <b>440 nm</b> , 6 mW at 20 mA, +/-15°, 5mm epoxy	3,23	3,64

## LEDS - BLUE

450 nm - 477 nm	EUR	USD
 blue LEDs packages: 3mm and 5 mm clear epoxy	1-49 pcs.	1-49 pcs.
ELD-450-525, <b>450 nm</b> , 5.2 cd at 20 mA, 20°, 5 mm clear epoxy	1,89	2,13
LED450-01, <b>450 nm</b> , 20 mW 3.5 cd at 20 mA, +/-8°, 5 mm clear epoxy	3,36	3,78
LED450-03, <b>450 nm</b> , 20 mW 3.5 cd at 20 mA, +/-10°, 5 mm clear epoxy	3,36	3,78
LED450-04, <b>450 nm</b> , 20 mW 1.0 cd at 20 mA, +/-20°, 5 mm clear epoxy	3,36	3,78
LED450-06, <b>450 nm</b> , 20 mW 4.5 cd at 20 mA, +/-4°, 5 mm clear epoxy	3,53	3,98
LED450-33, <b>450 nm</b> , 20 mW 1.2 cd at 20 mA, +/-13°, 3 mm clear epoxy	3,36	3,78
RLS-B465, <b>465 nm</b> , 9cd at 20mA +/-15° 5mm clear epoxy	1,20	1,35
B5B-437-IX, <b>470 nm</b> , 3.8 cd at 20 mA, 8°, 5 mm clear epoxy	1,20	1,35
B3B-447-IX, <b>470 nm</b> , 2 cd at 20 mA, 15°, 3 mm clear epoxy	1,20	1,35
B56L5111P, <b>475 nm</b> , <b>20-30 cd</b> at 50 mA, 15°, 5mm clear epoxy	1,33	1,50
RLS-5B475-S, <b>477 nm</b> , 3.0-4.0 cd at 20 mA, 15°, 5 mm clear epoxy	1,25	1,41

## LEDS - GREEN

490 nm - 545 nm	EUR	USD
 blue-green LEDs packages: 3mm and 5 mm clear epoxy	1-49 pcs.	1-49 pcs.
LED490-02, <b>490 nm</b> , 18 cd, 12 mW at 20 mA, 10°, 5 mm epoxy	4,15	4,67
LED490-03, <b>490 nm</b> , 15 cd, 12 mW at 20 mA, 24°, 5 mm clear epoxy	4,15	4,67
LED490-06, <b>490 nm</b> , 24 cd, 12 mW at 20 mA, 14°, 5 mm epoxy	4,33	4,88
LED490-33, <b>490 nm</b> , 8 cd, 12 mW at 20 mA, 28°, 3 mm epoxy	4,15	4,67
LED500-10-30, <b>500 nm</b> , 10 mW at 20 mA, +/-15°, 5 mm clear epoxy	4,62	5,20
B3B-443-B505, <b>505 nm</b> , 4 cd at 20 mA, 15°, 3 mm clear epoxy	1,05	1,18
B5-433-B505, <b>505 nm</b> , 7.0 cd at 20 mA, 5 mm, 15°, clear epoxy	1,05	1,18
B5B-433-B505, <b>505 nm</b> , 8.0 cd at 20 mA, 5 mm, 8°, clear epoxy	1,05	1,18
LED515-10-30, <b>515 nm</b> , 10 mW at 20 mA, +/-15°, 5 mm clear epoxy	4,62	5,20
G48A5111P, <b>515 nm</b> , 100 cd at 50 mA, 15°, 5mm clear epoxy	3,98	4,48
B3B-443-B525, <b>525 nm</b> , 5.5 cd at 20 mA, 15°, 3 mm clear epoxy	1,05	1,18
B5-433-B525, <b>525 nm</b> , 7.0 - 10.0 cd at 20 mA, 5 mm, 15°, clear epoxy	1,15	1,30
B5B-433-B525, <b>525 nm</b> , 11.0 cd at 20 mA, 5 mm, 8°, clear epoxy	1,05	1,18
LED525-01, <b>525 nm</b> , 20 cd , 7 mW at 20 mA, +/-9°, 5 mm clear epoxy	4,15	4,67
G58A5111P, <b>525 nm</b> , <b>80-100 cd</b> at 50 mA, 15°, 5 mm clear epoxy	2,25	2,53
LED535-01, <b>535 nm</b> , 9.5 cd, 4 mW at 20 mA, +/-8°, 5 mm clear epoxy	4,15	4,67
LED535-33, <b>535 nm</b> , 4.8 cd, 4 mW at 20 mA, +/-13°, 3 mm clear epoxy	4,15	4,67
LED545-01, <b>545 nm</b> , 7 cd, 2 mW at 20 mA, +/-8°, 5 mm clear epoxy	8,48	9,55
LED545-03, <b>545 nm</b> , 7 cd, 2 mW at 20 mA, +/-9°, 5 mm clear epoxy	8,48	9,55
LED545-04, <b>545 nm</b> , 2.2 cd, 2 mW at 20 mA, +/-15.5°, 5 mm clear epoxy	8,48	9,55
LED545-06, <b>545 nm</b> , 2 mW at 20 mA, +/-3°, 5 mm clear epoxy	8,48	9,55
LED545-33, <b>545 nm</b> , 10 cd, 2 mW at 20 mA, +/-13°, 3 mm clear epoxy	8,48	9,55

## LEDS - YELLOW

565 nm - 590 nm	EUR	USD
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	yellow-orange LEDs packages: 3mm and 5 mm clear epoxy		
		1-49 pcs.	1-49 pcs.
B5B-433-014, <b>565 nm</b> , 0.8 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,19
LED565-33U, <b>565 nm</b> , 0.2 cd at 20 mA, +/-15°, 3 mm clear epoxy		0,71	0,80
LED565-03U, <b>565 nm</b> , 0.4 cd at 20 mA, +/-15°, 5 mm clear epoxy		0,71	0,80
G7NU5111A, <b>566 nm</b> , 1.1 cd at 20 mA, 15°, 5mm clear epoxy		1,49	1,68
LED570-33V, <b>570 nm</b> , 0.6 cd at 20 mA, 30°, 3 mm clear epoxy		0,62	0,70
LED570-03, <b>570 nm</b> , 1.3 cd, 0.6 mW at 20 mA, 24°, 5 mm clear epoxy		0,62	0,70
LED570-06, <b>570 nm</b> , 7.8 cd, 0.6 mW at 20 mA, 6°, 5 mm clear epoxy		0,62	0,70
G8HD3131E, <b>570 nm</b> , 2.18 cd at 40 mA, <b>2 chips</b> , 30°, 3 mm clear epoxy		1,06	1,19
B5B-433-20, <b>572 nm</b> , 3.0 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,19
B5-433-20, <b>572 nm</b> , 2.5 cd at 20 mA, 15°, 5 mm clear epoxy		1,06	1,19
B5-433-20D, <b>572 nm</b> , 1.7 cd at 20 mA, 30°, 5 mm clear epoxy		1,06	1,19
B5B-434-TY, <b>588 nm</b> , 10.0 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,19
CY5111A-WY, <b>590 nm</b> , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy		1,24	1,40
Y5CA5111P, <b>590 nm</b> , <b>40-55 cd</b> at 70 mA, 15°, 5mm clear epoxy		1,57	1,77
5Y3BCA-H, <b>590 nm</b> , 4.0-4.5 cd at 20 mA, 20°, 5 mm clear epoxy		1,06	1,19
LED590-33W, <b>590 nm</b> , 2.0 cd, 2.0 mW at 20 mA, +/-18°, 3 mm epoxy		1,17	1,32
LED590-03, <b>590 nm</b> , 8 cd, 4 mW at 20 mA, +/-12°, 5 mm clear epoxy		1,17	1,32

## LEDS - ORANGE

600 nm - 625 nm		EUR	USD
	yellow-orange LEDs packages: 3mm and 5 mm clear epoxy		
		1-49 pcs.	1-49 pcs.
LED600-03, <b>600 nm</b> , 6.5 cd, 5 mW at 20mA, 26°, 5 mm clear epoxy		1,17	1,32
B3B-445-30S, <b>605 nm</b> , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy		1,06	1,19
B5-435-30S, <b>605 nm</b> , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy		1,06	1,19
B5B-435-30S, <b>605 nm</b> , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,19
O5CA5111P, <b>605 nm</b> , <b>40-55 cd</b> at 70 mA, 15°, 5mm clear epoxy		1,82	2,05
LED610-03, <b>610 nm</b> , 7.5 cd, 8 mW at 20mA, 26°, 5 mm clear epoxy		1,17	1,32
B3B-445-30, <b>615 nm</b> , 2.0 cd at 20 mA, 20°, 3 mm clear epoxy		1,06	1,19
B5-435-30, <b>615 nm</b> , 4.0 cd at 20 mA, 15°, 5 mm clear epoxy		1,06	1,19
B5B-435-30, <b>615 nm</b> , 5.0 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,19
B3B-445-TL, <b>625 nm</b> , 7 cd at 20 mA, 15°, 3 mm clear epoxy		1,06	1,19
B5-435-TL, <b>625 nm</b> , 10 cd at 20 mA, 15°, 5 mm clear epoxy		1,06	1,19
B5B-435-TL, <b>625 nm</b> , 12 cd at 20 mA, 8°, 5 mm clear epoxy		1,06	1,19
LED625-03, <b>625 nm</b> , 14.1 cd, 22 mW at 50 mA, +/-13°, 5 mm clear epoxy		1,17	1,32
CR5111A-WY, <b>625 nm</b> , 22 cd (max 25 cd) at 20 mA, 15°, 5 mm clear epoxy		1,24	1,40
R5CA5111P, <b>625 nm</b> , 40-55 cd at 70 mA, 15°, 5mm clear epoxy		1,57	1,77
5RAA5111P, <b>625 nm</b> , <b>60-75 cd</b> at 60 mA, 15°, 5mm clear epoxy		1,68	1,89

## LEDS - RED

650 nm - 710 nm		EUR	USD
	yellow-orange LEDs packages: 3mm and 5 mm clear epoxy		
		1-49 pcs.	1-49 pcs.
ELD-650-523, <b>650 nm</b> , 1 cd at 20 mA, 20°, 5 mm clear epoxy		3,30	3,72
RLS-655-3-25, <b>655 nm</b> , 3 mW at 20 mA, 25°, 5 mm clear epoxy		2,30	2,59

B3B-446-30, <b>660 nm</b> , 1.3 cd at 20 mA, 20°, 3 mm clear epoxy	1,06	1,19
B5B-436-30, <b>660 nm</b> , 3.5 cd at 20 mA, 8°, 5 mm clear epoxy	1,06	1,19
B5-436-30D, <b>660 nm</b> , 1.3 cd at 20 mA, 30°, 5 mm clear epoxy	1,06	1,19
LED660N-03, <b>660 nm</b> , 2.4 cd, 15 mW at 20 mA, +/-12°, 5 mm clear epoxy	0,88	0,99
ELD-670-524, <b>670 nm</b> , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	4,06
LED680-4-30, <b>680 nm</b> , 4-5 mW at 20 mA, +/-15°, 5 mm clear epoxy	3,40	3,83
LED680-01AU, <b>680 nm</b> , 25 mW/sr, 4 mW at 20 mA, +/- 10°, 5 mm clear epoxy	3,98	4,48
LED680-02AU, <b>680 nm</b> , 25 mW/sr, 4 mW at 20 mA, +/- 7°, 5 mm clear epoxy	3,98	4,48
LED680-33AU, <b>680 nm</b> , 10 mW/sr, 4 mW at 20 mA, +/-18°, 3 mm clear epoxy	3,80	4,28
ELD-680-524, <b>680 nm</b> , 3.5 mW at 20 mA, 20°, 5 mm clear epoxy	4,75	5,35
LED690-01AU, <b>690 nm</b> , 25 mW/sr, 4 mW at 20 mA, +/-10°, 5 mm clear epoxy	3,80	4,28
LED690-03AU, <b>690 nm</b> , 25 mW/sr, 4 mW at 20 mA, +/-10°, 5 mm clear epoxy	3,80	4,28
LED690-04AU, <b>690 nm</b> , 10 mW/sr, 4 mW at 20 mA, +/-20°, 5 mm clear epoxy	3,80	4,28
LED690-33AU, <b>690 nm</b> , 10 mW/sr, 4 mW at 20 mA, +/-18°, 3 mm clear epoxy	3,80	4,28
ELD-700-524, <b>700 nm</b> , 10 mW at 50 mA, 20°, 5 mm clear epoxy	3,60	4,06
IB5-43B8-700, <b>700nm</b> 14 mW at 50 mA, 15°, 5 mm clear epoxy	3,70	4,17
LED700-02AU, <b>700 nm</b> , 90 mW/sr, 13 mW at 50 mA, +/- 7°, 5 mm clear epoxy	3,98	4,48
LED700-04AU, <b>700 nm</b> , 30 mW/sr, 13 mW at 50 mA, +/- 20°, 5 mm clear epoxy	3,98	4,48
LED700-33AU, <b>700 nm</b> , 30 mW/sr, 13 mW at 50 mA, +/-18°, 3 mm clear epoxy	3,80	4,28
LED710-01AU, <b>710 nm</b> , 60 mW/sr, 13 mW at 50 mA, +/-10°, 5 mm clear epoxy	3,80	4,28
LED710-04AU, <b>710 nm</b> , 30 mW/sr, 13 mW at 50 mA, +/-20°, 5 mm clear epoxy	3,80	4,28
LED710-33AU, <b>710 nm</b> , 30 mW/sr, 13 mW at 50 mA, +/-18°, 3 mm clear epoxy	3,80	4,28

## LEDS - IR 720 - 1720 nm

720 nm - 780 nm	EUR	USD
 IR-LEDs diverse packages 720 nm up to 4600 nm		
	1-49 pcs.	1-49 pcs.
ELD-720-524, <b>720 nm</b> , 7 mW at 20 mA, 20°, 5 mm clear epoxy	3,43	3,87
IB5-43B8-730, <b>730nm</b> 20 mW at 50 mA, 15°, 5 mm clear epoxy	3,10	3,49
LED735-01AU, <b>735 nm</b> , 18 mW at 50 mA, +/- 10°, 5 mm clear epoxy	3,18	3,58
ELD-740-354, <b>740 nm</b> , 19 mW at 50 mA, 50°, 3 mm clear epoxy	3,43	3,87
ELD-740-524, <b>740 nm</b> , 14 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	3,87
LED740-01AU, <b>740 nm</b> , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	3,58
LED740-03AU, <b>740 nm</b> , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,58
LED750-33AU, <b>750 nm</b> , 23 mW at 50 mA, 34°, 3 mm clear epoxy	3,18	3,58
LED750-03AU, <b>750 nm</b> , 19 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,58
LED760-6-30, <b>760 nm</b> , 6-7 mW at 20 mA, +/- 15°, 5 mm clear epoxy	3,30	3,72
LED760-03AU, <b>760 nm</b> , 19 mW at 50 mA, +/-10°, 5 mm clear epoxy	3,18	3,58
LED760-05AU, <b>760 nm</b> , 19 mW at 50 mA, +/- 55°, 5 mm clear epoxy	3,36	3,78
LED760-06AU, <b>760 nm</b> , 19 mW at 50 mA, +/- 7°, 5 mm clear epoxy	3,36	3,78
LED760-40K42, <b>760 nm</b> , 10 mW at 50 mA, 12°, TO-18, ball lens	11,45	12,89
LED760-40M32, <b>760 nm</b> , 10 mW at 50 mA, 20°, TO-18, ball lens	9,12	10,27
IB5-43B8-765, <b>765nm</b> 18 mW at 50 mA, 15°, 5 mm clear epoxy	3,10	3,49
LED770-6-30, <b>770 nm</b> , 6-7 mW at 20 mA, +/- 15°, 5 mm clear epoxy	3,30	3,72
LED770-03AU, <b>770 nm</b> , 18 mW at 50 mA, +/- 15°, 5 mm clear epoxy	3,18	3,58
ELD-770-324, <b>770 nm</b> , 15 mW at 50 mA, 20°, 3 mm clear epoxy	3,43	3,87
ELD-770-524, <b>770 nm</b> , 20 mW at 50 mA, 20°, 5 mm clear epoxy	3,43	3,87
LED780-01AU, <b>780 nm</b> , 18 mW at 50 mA, 20°, 5 mm clear epoxy	3,18	3,58
LED780-03AU, <b>780 nm</b> , 18 mW at 50 mA, 30°, 5 mm clear epoxy	3,18	3,58
LED780-33AU, <b>780 nm</b> , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,18	3,58
ELD-780-524, <b>780 nm</b> , 16 mW at 50 mA, 18°, 40 ns, 5 mm clear epoxy	3,43	3,87
ELD-780-525, <b>780 nm</b> , 45 mW at 100 mA, 20°, 20 ns, 5 mm clear epoxy	3,43	3,87
800 nm - 890 nm	EUR	USD
LED800-01AU, <b>800 nm</b> , 22 mW at 50 mA, +/- 10°, 5 mm clear epoxy	3,00	3,38
ELD-810-525, <b>810 nm</b> , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,87
ELD-810-345, <b>810 nm</b> , 18 mW at 50 mA, 30°, 3 mm clear epoxy	3,43	3,87

LED810-03AU, <b>810 nm</b> , 18 mW at 50 mA, +/- 15°, 5 mm clear epoxy	3,00	3,38
LED820-01AU, <b>820 nm</b> , 18 mW at 50 mA, +/- 10°, 5 mm clear epoxy	2,54	2,86
IB5-43B8-830, <b>830nm</b> 22 mW at 50 mA, 15°, 5 mm clear epoxy	2,40	2,70
LED830-03AU, <b>830 nm</b> , 20 mW at 50 mA, +/- 15°, 5 mm clear epoxy	2,54	2,86
LED830-06AU, <b>830 nm</b> , 20 mW at 50 mA, +/- 6°, 5 mm clear epoxy	2,74	3,09
LED840-04AU, <b>840 nm</b> , 20 mW at 50 mA, +/- 20°, 5 mm clear epoxy	2,54	2,86
ELD-840-515, <b>840 nm</b> , 15 mW at 100 mA, 11°, 5 mm clear epoxy	3,43	3,87
B5B-850-8, <b>850 nm</b> , 34 mW at 100 mA, +/- 8°, 5 mm clear epoxy	1,82	2,05
I3NA5111A, <b>850 nm</b> , 60mW/sr at 100 mA, 15°, 5mm clear epoxy	1,52	1,71
ELD-850-394, <b>850 nm</b> , 18 mW at 50 mA, 90°, 3 mm clear epoxy	3,60	4,05
ELD-850-525, <b>850 nm</b> , 11 mW at 20 mA, 20°, 5 mm clear epoxy	3,60	4,05
LED850-02UP, <b>850 nm</b> , 26 mW at 50 mA, +/- 4°, 5 mm clear epoxy	2,30	2,59
LED850-03UP, <b>850 nm</b> , 26 mW at 50 mA, +/- 13°, 5 mm clear epoxy	2,12	2,39
LED850-04UP, <b>850 nm</b> , 26 mW at 50 mA, +/- 18°, 5 mm clear epoxy	2,12	2,39
LED850-05UP, <b>850 nm</b> , 26 mW at 50 mA, +/- 40°, 5 mm clear epoxy	2,30	2,59
LED870-01UP, <b>870 nm</b> , 24 mW at 50 mA, 20°, 5 mm clear epoxy	2,12	2,39
LED870F-03U, <b>870 nm</b> , 22 mW at 50 mA, 30°, 5 mm, tr/tf 15/10ns	2,54	2,86
ELD-870f-515-2, <b>870 nm</b> , 16 mW at 100 mA, Tr,Tf: 5 ns, 8°, 5 mm	5,25	5,91
ELD-880-525, <b>880 nm</b> , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,87
RLS-IR880, <b>880 nm</b> , 10mW/sr at 20mA +/-20° 5mm clear epoxy	3,43	3,87
LED890-03AU, <b>890 nm</b> , 15 mW at 50 mA, +/- 15°, tr/tf 800/400 ns, 5 mm clear epoxy	1,94	2,18
<b>900 nm - 970 nm</b>		<b>EUR</b>
B5B-900-8, <b>900 nm</b> , 48 mW at 50 mA, +/-8°, 5 mm clear epoxy	2,72	3,06
ELD-900-525, <b>900 nm</b> , 45 mW at 100 mA, 20°, 5 mm clear epoxy	3,65	4,11
ELD-905-545, <b>905 nm</b> , 38 mW at 100 mA, +/-20°, 5 mm clear epoxy	3,43	3,87
LED905-35-22, <b>905 nm</b> , 35 mW at 100 mA, +/-22.5°, 5 mm clear epoxy, tr,tf=10ns	3,43	3,87
LED910-01, <b>910 nm</b> , 12 mW at 50 mA, +/-10°, 5 mm clear epoxy	2,12	2,39
LED910-02, <b>910 nm</b> , 12 mW at 50 mA, +/-7°, 5 mm clear epoxy	2,16	2,43
ELD-910-525, <b>910 nm</b> , 28 mW at 100 mA, 20°, 5 mm clear epoxy	3,43	3,87
ELD-935-525, <b>935 nm</b> , 30 mW at 100 mA, 500 ns, 20°, 5 mm clear epoxy	3,63	4,09
I5LA5113A, <b>940 nm</b> , 35 mW/sr at 100 mA, 15°, 5mm clear epoxy	0,89	1,00
B5B-940-8, <b>940 nm</b> , 20 mW at 100 mA, +/-8°, 5 mm clear epoxy	0,99	1,11
LED940-06V, <b>940 nm</b> , 18.0 mW, 150 mW/sr at 50 mA, +/-7°, 5 mm clear epoxy	1,80	2,03
LED940-40K42, <b>940 nm</b> , 18.0 mW, TO-46, cap lens	4,85	5,46
OPE5594S, <b>940 nm</b> , 16 mW at 100 mA, 10°, 5 mm clear epoxy	1,62	1,82
ELD-960-525, <b>960 nm</b> , 20 mW at 100 mA, 20°, 5 mm clear epoxy	5,19	5,84
LED970-01, <b>970 nm</b> , 25 mW/sr, 5.5 mW at 50 mA, 20°, 5 mm clear epoxy	1,94	2,18
LED970-02, <b>970 nm</b> , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,94	2,18
LED970-06, <b>970 nm</b> , 25 mW/sr, 5.5 mW at 50 mA, 14°, 5 mm clear epoxy	1,84	2,07
LED970-33, <b>970 nm</b> , 7 mW/sr, 5.5 mW at 50 mA, +/-18°, 3 mm clear epoxy	2,33	2,62
LED980-02, <b>985 nm</b> , 4 mW at 50 mA, 14°, 5 mm clear epoxy	2,33	2,62
LED980-03, <b>985 nm</b> , 10 mW/sr at 50 mA, 22°, 5 mm clear epoxy	2,21	2,49
<b>1020 nm - 1720 nm</b>		<b>EUR</b>
ELD-1020-525, <b>1020 nm</b> , 1.0 mW at 20 mA, tr=25ns, tf=40ns, 20°, 5 mm clear epoxy	8,19	9,22
LED1050-01, <b>1050 nm</b> , 2 mW at 50 mA, tr,tf=10ns, 5 mm clear epoxy	12,02	13,54
LED1050-03, <b>1050 nm</b> , 14 mW/sr, 2 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	13,54
LED1050-06, <b>1050 nm</b> , 30 mW/sr, 2 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	13,54
LED1050G-33, <b>1050 nm</b> , 40 mW/sr, 17 mW at 50 mA, 42°, 3 mm clear epoxy	17,59	19,81
LED1050-35K42, <b>1050 nm</b> , 1.5 mW at 50 mA, tr,tf: 10 ns, +/-6°, TO-46, cap lens	16,61	18,70
LED1050-35T52, <b>1050 nm</b> , 1 mW at 50 mA, tr,tf: 10 ns, +/-55°	16,61	18,70
ELD-1060-525, <b>1060 nm</b> , 1.6 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	9,22
LED1070-03, <b>1070 nm</b> , 9 mW at 50 mA, 24°, 5 mm clear epoxy	12,02	13,54
LED1070-06, <b>1070 nm</b> , 2.5 mW at 50 mA, 14°, 5 mm clear epoxy	12,02	13,54
LED1070-36, <b>1070 nm</b> , 2.5 mW at 50 mA, 66°, 3 mm clear epoxy	12,02	13,54
LED-1200-525, <b>1200 nm</b> , 1.5 mW at 20 mA, tr=25ns, tf=40ns, 20°, 5 mm clear epoxy	11,50	12,95
LED1200-03, <b>1200 nm</b> , 5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm epoxy	12,02	13,54
LED1200-06, <b>1200 nm</b> , 5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm epoxy	12,02	13,54
LED1200-35K42, <b>1200 nm</b> , 5.5 mW at 50 mA, 16°, TO-46, cap lens	16,61	18,70
LED1200-35M32, <b>1200 nm</b> , 5.5 mW at 50 mA, 24°, TO-18, cap lens	15,46	17,41
ELD-1300-525, <b>1300 nm</b> , 2.2 mW at 20 mA, tr,tf=10ns, 25°, 5 mm clear epoxy	8,19	9,22
LED1300-03, <b>1300 nm</b> , 4.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	13,54

LED1300-33, <b>1300 nm</b> , 4.5 mW at 50mA, +/-18°, 3 mm clear epoxy	12,02	13,54
LED1300-35M32, <b>1300 nm</b> , 3 mW at 50 mA, +/-15°, TO-46, cap lens	15,46	17,41
LED1300-35K42, <b>1300 nm</b> , 2 mW at 50 mA, +/-6°, TO-46, cap lens	16,61	18,70
LED1450-03, <b>1450 nm</b> , 2.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	13,54
LED1450-06, <b>1450 nm</b> , 2.5 mW at 50 mA, tr,tf=10ns, 8°, 5 mm clear epoxy	12,02	13,54
LED1450-35K42, <b>1450 nm</b> , 2.4 mW at 50 mA, +/-6°, TO-46, cap lens	16,61	18,70
ELD-1450-525, <b>1450 nm</b> , 6.5 mW 20 mA, 20°, 5 mm clear epoxy	8,19	9,22
ELD-1480-525, <b>1480 nm</b> , 1.8 mW 20 mA, FWHM=150nm, tr/tf=40ns, 20°, 5 mm clear epoxy	8,19	9,22
ELD-1500-525, <b>1500 nm</b> , 3.3 mW at 20 mA, 20°, 5 mm clear epoxy	8,19	9,22
ELD-1550-525, <b>1550 nm</b> , 3.3 mW at 20 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	8,19	9,22
LED1550-03, <b>1550 nm</b> , 2.5 mW at 50 mA, tr,tf=10ns, 20°, 5 mm clear epoxy	12,02	13,54
LED1550-35M32, <b>1550 nm</b> , 2.0 mW at 50 mA, +/-15°, TO-46	17,10	19,26
LED1550-35K42, <b>1550 nm</b> , 2.0 mW at 50 mA, +/-6°, TO-46	20,35	22,92
ELD-1650-525, <b>1720 nm</b> , 1.5 mW at 20 mA, 20°, 5 mm clear epoxy	12,50	14,08
ELD-1720-535, <b>1720 nm</b> , 1.0 mW at 20 mA, tr,tf=15ns, 30°, 5 mm clear epoxy	8,19	9,22
ELD-1720-015, <b>1720 nm</b> , 1.0 mW at 20 mA, tr,tf=15ns, °, TO-46 with hemisph. Lens	35,05	39,47

## LEDS - SMD

352 nm - 1550 nm	EUR	USD
 <p>SMD LEDs wavelengths from UV to IR custom wavelengths and packages available on request</p>		
	1-49 pcs.	1-49 pcs.
RLCU-355, <b>353-360 nm</b> , 0.75 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	7,22	8,13
360-PLCC2-120, <b>360 nm</b> , 500 uW at 20 mA, 120°, SMD PLCC, 2.70 x 3.50 x 1.90 mm	5,20	5,86
XSL-360-SD, <b>360 nm</b> , 0.9 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	6,80	7,66
XSL-365-SD, <b>365 nm</b> , 1.2 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	5,65	6,36
UVLED365-SMD, <b>365 nm</b> , 3.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	2,55	2,87
UVLED365E-SMD, <b>365 nm</b> , 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	3,39	3,82
RLCU-365, <b>363-370 nm</b> , 0.78 mW/sr at 20 mA, 120°, ceramic SMD, 3x2x1mm	8,97	10,10
XSL-370-SD, <b>370 nm</b> , 2.0 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	4,20	4,73
VL370-3228, <b>370 nm</b> , 2.0-2.5 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	2,60	2,93
RLS370SMD0805, <b>370 nm</b> , 1 mW at 20 mA, 120°, SMD 0805	5,36	6,04
XSL-375-SD, <b>375 nm</b> , 3.5 mW at 20 mA, 100°, ceramic SMD, 3.5x2.7x1.8 mm	3,23	3,64
RLCU-375, <b>375-380 nm</b> , 1.5-4.0 mW at 20mA, 120°, ceramic SMD, 3x2x1mm	4,70	5,29
UVLED375-SMD, 375 nm, 5.0 mW at 20 mA, 100°, SMD 3.0x2.0x1.2 mm	1,79	2,02
UVLED375E-SMD, 375 nm, 13 mW at 20 mA, 100°, SMD 3.0x2.0x0.7 mm	3,20	3,60
VL380-3528, <b>380 nm</b> , 5.0-7.0 mW at 20 mA, 120°, SMD 3.5x2.8x0.8 mm	3,10	3,49
SMC395, <b>395 nm</b> , 8.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,49
M5DLS1C1A, <b>warm white 3000K</b> , <b>1.3 cd</b> at 20 mA, SMD 3.2 x 2.8 mm², 120°	1,20	1,35
W5DLS1C1A, <b>white</b> , <b>3.0 cd</b> at 20 mA, SMD 3.2 x 2.8 mm², 120°	1,20	1,35
RLCU-400, <b>400-405 nm</b> , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	3,10	3,49
VL400-3228, <b>400 nm</b> , 9.0-10.0 mW at 20 mA, 120°, SMD 3.6x2.9x0.8 mm	1,31	1,48
VL405-3228, <b>405 nm</b> , 8.0-10.0 mW at 20 mA, 120°, SMD 3.2x2.8x0.8 mm	1,31	1,48
SMC405, <b>405 nm</b> , 4 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,49
SMT405R, <b>405 nm</b> , 12.5 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	4,13	4,65
RLCU-410, <b>410-415 nm</b> , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	2,70	3,04
RLCU-415, <b>415-420 nm</b> , 4.2-11 mW at 20mA, +/-60°, ceramic SMD, 3x2x1mm	3,20	3,60
SMC415, <b>415 nm</b> , 4.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,49
SMC430, <b>430 nm</b> , 10 mW at 20 mA, +/-56°, ceramic SMD, 3.0x2.0x1.1 mm	3,10	3,49
RLCU-430, <b>425-435 nm</b> , 8 mW at 30mA, +/-60°, ceramic SMD, 3x2x1mm	3,10	3,49
SMC470, <b>470 nm</b> , 3.5 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,55	2,87
SMC490, <b>490 nm</b> , 6.1 mW at 20 mA, +/-64°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	4,98
SMC525, <b>525 nm</b> , 1.0 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,42	4,98
SMC565, <b>565 nm</b> , 0.1 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,15	1,30
SMC570, <b>570 nm</b> , 0.2 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	1,99
SMT570, <b>570 nm</b> , 0.3 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	1,77	1,99
SMC630, <b>630 nm</b> , 0.2 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	1,99

SMC660N, <b>660 nm</b> , 12 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,77	1,99
SMT660/910, <b>660/910 nm</b> , 2.5/2.5 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	6,36	7,16
SMC680, <b>680 nm</b> , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	5,97
SMC700, <b>700 nm</b> , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	5,97
SMT700, <b>700 nm</b> , 3 mW at 20 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	4,59	5,17
SMC720, <b>720 nm</b> , 3 mW at 20 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	5,30	5,97
SMT720, <b>720 nm</b> , 8 mW at 50 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	4,59	5,17
SMC735, <b>735 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,17
SMT735, <b>735 nm</b> , 10 mW at 50 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	3,89	4,38
ELS-740-994, <b>740 nm</b> , 6.5 mW at 50 mA, 120°, SMD PLCC 2, TOP LED, 3.5x2.8x1.9 mm	3,90	4,39
SMT750, <b>750 nm</b> , 14 mW at 50 mA, +/-55°, SMD, 3.5x2.7x1.8 mm	3,89	4,38
SMT750-23, <b>750 nm</b> , 20 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	4,15	4,67
SMC750, <b>750 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,17
SMC770, <b>770 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,17
SMC780, <b>780 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,59	5,17
SMC810, <b>810 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	4,77
SMC830, <b>830 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	4,24	4,77
SMC850, <b>850 nm</b> , 15 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,29
SMT850N, <b>850 nm</b> , 22 mW at 50 mA, +/-62°, SMD, 3.5x2.7x1.8 mm	2,85	3,21
SMT850-23, <b>850 nm</b> , 22 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	2,92	3,29
SMC870, <b>870 nm</b> , 19 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,29
SMT870-23, <b>870 nm</b> , 22 mW at 50 mA, +/-15°, SMD, 3.5x2.7x3.5 mm	2,92	3,29
SMC890, <b>890 nm</b> , 8 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	2,56	2,88
SMC910, <b>910 nm</b> , 5 mW at 50 mA, +/-63°, ceramic SMD, 3.0x2.0x1.1 mm	2,92	3,29
SMC940, <b>940 nm</b> , 10 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,70	1,91
SMT940-23, <b>940 nm</b> , 16 mW at 50 mA, +/-18°, SMD, 3.5x2.7x3.5 mm	1,41	1,59
SMC970, <b>970 nm</b> , 4.0 mW at 50 mA, +/-55°, ceramic SMD, 3.0x2.0x1.1 mm	1,94	2,18
SMC1050, <b>1050 nm</b> , 1 mW at 50 mA, +/-55°, cer. SMD, 3.0x2.0x1.1 mm	13,43	15,12
SMC1200, <b>1200 nm</b> , 5 mW at 50 mA, +/-62°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	15,12
SMC1300, <b>1300 nm</b> , 3.5 mW at 50 mA, +/-55°, cer. SMD, 3.0x2.0x1.1 mm	13,43	15,12
SMC1450, <b>1450 nm</b> , 2 mW at 50 mA, +/-66°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	15,12
SMC1550, <b>1550 nm</b> , 1.3 mW at 50 mA, +/-62°, ceramic SMD, 3.0x2.0x1.1 mm	13,43	15,12

<b>ACCESSORIES FOR SMD LEDs</b>	<b>EUR</b>	<b>USD</b>
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**PCB boards** to get your SMD 3020 LEDs mounted easily!

PCB-SMD3020, PCB Heat Sink for SMD 3020 LEDs, Al, white, 15.0x15.0x1.1 mm	5,90	6,64
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<b>SMD-LED on Si carrier 4 x 2 mm<sup>2</sup></b>	<b>EUR</b>	<b>USD</b>
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ELS-xxx series high power LEDs  
on silicon carrier

1-49 pcs. 1-49 pcs.

ELS-810-638, <b>810 nm</b> , 1.9 x 2.0 mm <sup>2</sup> , 17 mW, 30°, 30 ns, flip chip	7,84	8,83
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<b>SUPER FLUX LED</b>	<b>square EPOXY</b>	<b>EUR</b>	<b>USD</b>
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high flux LED series  
If: 20 mA, +/-45° angle  
clear epoxy package

base size: 7.6 x 7.6 mm<sup>2</sup>

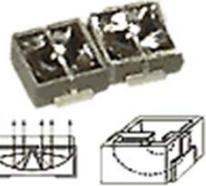
1-299 pcs. 1-299 pcs.

3W1S2HCA, <b>white</b> , 1.5-2.0 cd at 20 mA, Vf <3.6 V, +/-45°	0,66	0,74
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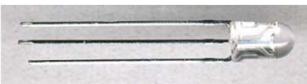
3B1S2HCA, blue, <b>470 nm</b> , 1.0-1.4 cd at 20 mA, Vf <3.6 V, +/-45°	0,40	0,45
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3G1S2HCA, green, <b>522 nm</b> , 2-3 cd at 20 mA, Vf <3.6 V, +/-45°	0,56	0,63
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3Y1S2HCA, yellow, <b>590 nm</b> , 0.7-0.9 cd at 20 mA, Vf <2.1 V, +/-45°	0,22	0,25
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3R1S2HCA, red, <b>622 nm</b> , 0.7-0.9 cd at 20 mA, Vf <2.1 V, +/-45°	0,22	0,25
3RGB13HCA, <b>620 / 520 / 460 nm</b> , 2 / 3.5 / 1.25 lm, 3 x 20 mA, +/-45°	0,91	1,02
REFLECTOR LED	square EPOXY	EUR
	surface emitting SMD LED narrow beam, ultra high brightness, high flux, <b>integrated parabolic reflector</b> design, small size  base size: 6 x 6 x 3 mm <sup>3</sup>	
		1-9 pcs.
TOLATB004, blue, <b>460 nm</b> , 27 cd at 20 mA, Vf = 3.5V, +/- 9°	5,61	6,32
TOLATG004, green, <b>530 nm</b> , 27 cd at 20 mA, Vf = 3.5V, +/- 9°	5,61	6,32
TOLATR002, red, <b>625 nm</b> , 15 cd at 20 mA, Vf = 2.1V, +/- 9°	5,61	6,32
TOLAIR002A, IR, <b>880 nm</b> , 300 mW/sr at 100 mA, Vf = 1.4V, +/- 9°	5,61	6,32

## LEDS - DUAL WAVELENGTH

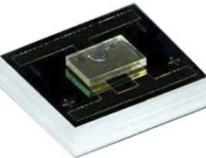
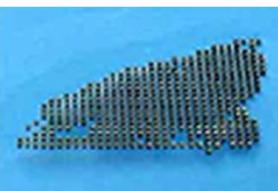
	EUR	USD
	series of dual wavelength LEDs 5 mm clear epoxy, contains <b>2 chip dies</b>  custom wavelengths available on request	
		1-49 pcs.
LED430/565-04A, <b>430/565 nm</b> , 0.4/0.2 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,96
LED470/660N-04A, <b>470/660 nm</b> , 5.0/15.0 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,96
LED505/630-02A, <b>505/630 nm</b> , 1.3/2.5 mW, 20 mA, +/-20°, 5 mm epoxy	6,71	7,56
LED565/660-04A, <b>565/660 nm</b> , 0.2/4.0 mW, 20 mA, +/-20°, 5 mm epoxy	5,65	6,36
LED635/760-04A, <b>635/760 nm</b> , 1.5/4.0 mW, 20 mA, +/-20°, 5 mm epoxy	5,29	5,96
LED660N/850-04A, <b>660/850 nm</b> , 15.0/7.0 mW, 20 mA, +/-20°, 5 mm epoxy	3,36	3,78
LED660/910-04A, <b>660/910 nm</b> , 4.5/2.5 mW, 20 mA, +/-20°, 5 mm epoxy	3,36	3,78
LED660N/940-04A, <b>660/940 nm</b> , 15.0/5.0 mW, 20 mA, +/-20°, 5 mm epoxy	4,24	4,77
LED750/850-04A, <b>750/850 nm</b> , 15/18 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,96
LED750/870-04A, <b>750/870 nm</b> , 15/22 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,96
LED760/850-04A, <b>760/850 nm</b> , 15/18 mW, 20 mA, +/-20°, 5 mm epoxy	6,18	6,96
LED760/850-05A, <b>760/850 nm</b> , 15/18 mW, 20 mA, +/-40°, 5 mm epoxy, flat front surface	4,24	4,77
LED760/940-04A, <b>760/940 nm</b> , 15/14 mW, 20 mA, +/-20°, 5 mm epoxy	4,24	4,77
LED780/850-05A, <b>780/850 nm</b> , 17/18 mW, 20 mA, +/-40°, 5 mm epoxy, flat front surface	4,24	4,77

## LEDS - SELF MONITORING

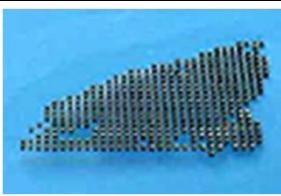
	EUR	USD
	LED series in TO18 package <b>with integrated monitoring photodiode</b> 3 pins, sealed with flat glass window  custom wavelengths available on request	
		1-49 pcs.
LED525-PD010-35D54, <b>525 nm</b> , 2 mW, 20 mA, +/-55°, TO18 flat glass wind., monitor PD	32,80	36,94
LED610-PD010-35D54, <b>610 nm</b> , 0.8 mW, 20 mA, +/-55°, TO18 flat glass wind., monitor PD	32,80	36,94
LED780-PD010-40D52, <b>780 nm</b> , 12 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	72,60	81,76
LED810-PD010-40D52, <b>810 nm</b> , 6 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	o.r.	o.r.
LED850N-PD010-40D52, <b>850 nm</b> , 6 mW, 50 mA, +/-55°, TO18 flat glass wind., monitor PD	18,55	20,89
LED890-PD010-40D52, <b>890 nm</b> , 5 mW, 50 mA, +/-40°, TO18 flat glass wind., monitor PD	18,55	20,89

## LEDS - RESONANT CAVITY

RC-LED 650 nm	EUR	USD
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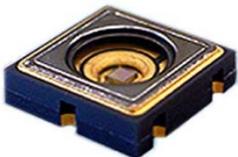
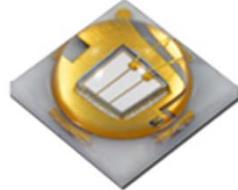
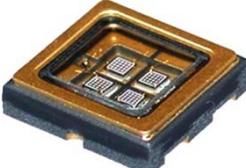
	<p><b>RC-LED (resonant cavity LED)</b> wavelength typ. 650 nm, power 1.0 - 1.5 mW</p> <p>packages: TO-46 flat window, 5 mm clear epoxy, side looking epoxy, chip die</p>		
		1-9 pcs.	1-9 pcs.
RC650-TO46FW, <b>650 nm</b> RC-LED, 1.0 mW, 20 mA, 90°, TO-46, flat window		9,90	11,15
<b>RC-LED MODULE 650 nm</b>		<b>EUR</b>	<b>USD</b>
	<p>visible 650 nm RC-LED in anodized aluminium header with adjustable 3-lens glass collimator</p> <p>ultra narrow beam, very fast, perfect round spot</p>		
		1-9 pcs.	1-9 pcs.
RC-LED-650-02, <b>650 nm</b> RC-LED module, 0.2 mW, 5.5 mrad, tr/tf 3 ns, 10x18 mm		51,80	58,33
<h2>LEDS - BARE CHIP DIES</h2>			
<b>DEEP-UV LED CHIP DIES 250 nm - 340 nm</b>		<b>EUR</b>	<b>USD</b>
	<p><b>DEEP-UV LED CHIP DIES</b> available as bare chip die and on Si submount</p> <ul style="list-style-type: none"> <li>- chip material: AlGaN based</li> <li>- chip size: 400 x 600 µm</li> <li>- Si submount</li> </ul>		
	<b>265 nm - 340 nm</b>		
		1-10 pcs.	1-10 pcs.
DUV265-CHIP, <b>265</b> +/- 5 nm, 0.9 mW at 20 mA, +/- 72°, bare chip die		185,71	209,14
DUV265-CS1, <b>265</b> +/- 5 nm, 0.9 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm		191,43	215,57
DUV265-CS2, <b>265</b> +/- 5 nm, 0.9 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm		191,43	215,57
DUV280-CHIP, <b>280</b> +/- 5 nm, 2 mW at 20 mA, +/- 72°, bare chip die		150,00	168,92
DUV280-CS1, <b>280</b> +/- 5 nm, 2 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm		155,71	175,35
DUV280-CS2, <b>280</b> +/- 5 nm, 2 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm		155,71	175,35
DUV310-CHIP, <b>310</b> +/- 5 nm, 1.6 mW at 20 mA, +/- 72°, bare chip die		131,43	148,00
DUV310-CS1, <b>310</b> +/- 5 nm, 1.6 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm		138,57	156,05
DUV310-CS2, <b>310</b> +/- 5 nm, 1.6 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm		138,57	156,05
DUV325-CHIP, <b>325</b> +/- 5 nm, 1.5 mW at 20 mA, +/- 72°, bare chip die		90,00	101,35
DUV325-CS1, <b>325</b> +/- 5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm		95,71	107,79
DUV325-CS2, <b>325</b> +/- 5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm		95,71	107,79
DUV340-CHIP, <b>340</b> +/- 5 nm, 1.5 mW at 20 mA, +/- 72°, bare chip die		90,00	101,35
DUV340-CS1, <b>340</b> +/- 5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 1.3 x 1.5 mm		95,71	107,79
DUV340-CS2, <b>340</b> +/- 5 nm, 1.5 mW at 20 mA, +/- 72°, bare die on Si submount, 0.9 x 0.8 mm		95,71	107,79
<b>355 nm - 1720 nm</b>		<b>EUR</b>	<b>USD</b>
	<p>LED chip dies minimum order quantity 100 pcs. (MOQ)</p>		
	<b>355 nm - 1720 nm</b>		
		10-99 pcs.	10-99 pcs.
C355-2SR1, <b>355 nm</b> , 0.5-1.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		17,81	20,06
C360-2SR1, <b>360 nm</b> , 0.5-1.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		16,54	18,63
C365-2SR2, <b>365 nm</b> , 1.0-1.5 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		11,88	13,38
C365-3SRA1, <b>365 nm</b> , 5-10 mW @ 100 mA, size: 600 x 600 um, MOQ = 10 pcs.		44,10	49,66
C370-2SR4, <b>370 nm</b> , 2.0-2.5 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		11,88	13,38
C370-5SR7, <b>370 nm</b> , 3.5-4.5 mW @ 20 mA, size: 350 x 360 um, MOQ = 20 pcs.		17,40	19,59
C375-2SR9, <b>375 nm</b> , 4.5-5.0 mW @ 20 mA, size: 280 x 280 um, MOQ = 20 pcs.		11,88	13,38
C375-5SR12, <b>375 nm</b> , 6.0-6.5 mW @ 20 mA, size: 350 x 360 um, MOQ = 20 pcs.		19,09	21,50
C375-3SRA6, <b>375 nm</b> , 30-35 mW @ 100 mA, size: 600 x 600 um, MOQ = 10 pcs.		37,33	42,04
ELC-395-34, <b>395 nm</b> , 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.		6,20	6,98
ELC-405-34, <b>405 nm</b> , 30 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.		2,50	2,82
ELC-410-34, <b>410 nm</b> , 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.		1,88	2,12

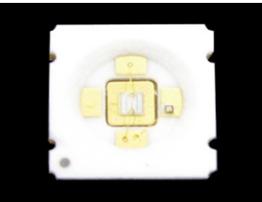
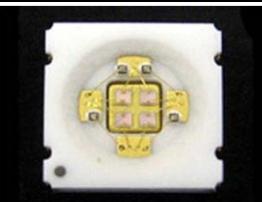
ELC-430-34, <b>430 nm</b> , 5 mW @ 20 mA, size: 331 x 331 µm, MOQ = 100 pcs.	1,88	2,12
ELC-460-34, <b>460 nm</b> , 60 mcd @ 20 mA, size: 300 x 300 µm, MOQ = 100 pcs.	1,88	2,12
ELC-470-34, <b>470 nm</b> , 280 mcd @ 20 mA, size: 280 x 310 µm, MOQ = 100 pcs.	1,88	2,12
ELC-490-34, <b>490 nm</b> , 300 mcd @ 20 mA, size: 280 x 310 µm, MOQ = 100 pcs.	1,93	2,17
ELC-505-34, <b>505 nm</b> , 400 mcd @ 20 mA, size: 381 x 381 µm, MOQ = 100 pcs.	2,50	2,82
ELC-525-34, <b>525 nm</b> , 9 mW @ 20 mA, size: 380 x 380 µm, MOQ = 100 pcs.	4,12	4,64
ELC-560-10, <b>560 nm</b> , 2.4 mcd @ 20 mA, size: 235 x 235 µm, MOQ = 100 pcs.	1,93	o.r.
ELC-565-13, <b>565 nm</b> , 70 mcd @ 20 mA, size: 275 x 275 µm, MOQ = 100 pcs.	1,88	2,12
ELC-572-13, <b>572 nm</b> , 0.23 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,17
ELC-590-13, <b>590 nm</b> , 150 mcd @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,17
ELC-610-14, <b>610 nm</b> , 200 mcd @ 20 mA, size: 295 x 295 µm, MOQ = 100 pcs.	1,93	2,17
ELC-630-13-1, <b>630 nm</b> , 2.5 mW @ 20 mA, size: 265 x 265 µm, MOQ = 100 pcs.	1,93	2,17
ELC-630-15, <b>630 nm</b> , 600 mcd @ 20 mA, size: 350 x 350 µm, MOQ = 100 pcs.	1,88	2,12
ELC-650-24, <b>650 nm</b> , 2.0 mW @ 20 mA, size: 310 x 310 µm, MOQ = 100 pcs.	1,93	2,17
ELC-660-23-1, <b>660 nm</b> , 1.8 mW @ 20 mA, size: 280 x 280 µm, MOQ = 100 pcs.	2,50	2,82
ELC-670-25, <b>670 nm</b> , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,88	2,12
ELC-690-27, <b>690 nm</b> , 5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	1,93	2,17
ELC-700-25, <b>700 nm</b> , 3 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,17
ELC-730-25, <b>730 nm</b> , 3 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,82
ELC-740-25, <b>740 nm</b> , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,17
ELC-760-25, <b>760 nm</b> , 2.5 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,82
ELC-770-25, <b>770 nm</b> , 2.7 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	1,93	2,17
ELC-800-25, <b>800 nm</b> , 3.2 mW @ 20 mA, size: 325 x 325 µm, MOQ = 100 pcs.	2,50	2,82
ELC-830-17, <b>830 nm</b> , 5.5 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	o.r.	o.r.
ELC-850-27, <b>830 nm</b> , 6.5 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	o.r.	o.r.
ELC-870-17-2, <b>875 nm</b> , 6 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	2,50	2,82
ELC-870-27, <b>875 nm</b> , 4.5 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	2,50	2,82
ELC-905-17, 905 nm, 4 mw @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	2,50	2,82
ELC-910-17, <b>910 nm</b> , 7 mW @ 20 mA, size: 360 x 360 µm, MOQ = 100 pcs.	1,93	2,17
ELC-935-17, <b>935 nm</b> , 2.5 mW @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	1,93	2,17
ELC-970-17, <b>970 nm</b> , 2 mW @ 20 mA, size: 365 x 365 µm, MOQ = 100 pcs.	3,90	4,39
ELC-980-17-1, <b>980 nm</b> , 2 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	5,25	5,91
ELC-1020-17-1, <b>1020 nm</b> , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	7,80	8,78
ELC-1060-17-1, <b>1060 nm</b> , 4 mW @ 50 mA, size: 365 x 365 µm, MOQ = 100 pcs.	10,14	11,42
ELC-1300-17, <b>1300 nm</b> , 3.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	8,86	9,98
ELC-1450-17-1, <b>1450 nm</b> , 2.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	9,90	11,15
ELC-1550-17, <b>1550 nm</b> , 5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	11,99	13,50
ELC-1650-17-1, <b>1650 nm</b> , 2.5 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	9,90	11,15
ELC-1720-17, <b>1720 nm</b> , 3 mW @ 100 mA, size: 360 x 360 µm, MOQ = 100 pcs.	8,86	9,98

HIGH POWER LED CHIP DIES	365 nm - 970 nm	1x1 mm <sup>2</sup>	EUR	USD
	High Power LED chip dies, 1x1 mm <sup>2</sup> minimum order quantity (MOQ) -> request			
	<b>365 nm - 970 nm</b>			
			10-99 pcs.	10-99 pcs.
C385H1-V08B, <b>385-390 nm</b> , 70-80 mW, 350 mA, <3.8 V, 40 mil, LED chip die, InGaN		6,72	7,57	
C385H1-V08B, <b>395-400 nm</b> , 80-90 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN		5,04	5,68	
C405H1-DZX3D, <b>400-405 nm</b> , 80-90 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN		3,60	4,05	
C410H1-D1N3F, <b>410-415 nm</b> , 120-140 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN		3,30	3,72	
C420H1-D1N3F, <b>420-425 nm</b> , 120-140 mW, 350 mA, <4.0 V, 40 mil, LED chip die, InGaN		2,96	3,33	
C700-1x1, <b>700 nm</b> , size: 1x1 mm, LED chip die		2,76	3,11	
C810-1x1, <b>810 nm</b> , size: 1x1 mm, LED chip die		2,54	2,86	

## HIGH POWER LEDs

	EUR	USD
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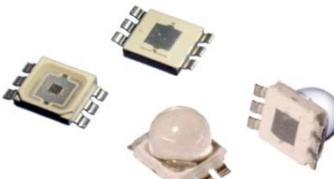
	high power <b>single chip</b> UV-LED series hermetic ceramic SMD package glass window		
		1-5 pcs.	1-5 pcs.
UVLED-365-500-SMD, <b>365 nm</b> , typ. 500 mW at 500 mA, Uf: typ. 3.8 V, 120°, 6.8 x 6.8 x 2.1 mm	35,00	39,41	
UVLED-385-500-SMD, <b>385 nm</b> , typ. 500 mW at 500 mA, Uf: typ. 3.7 V, 120°, 6.8 x 6.8 x 2.1 mm	35,00	39,41	
	ultra high power <b>single chip</b> UV-LED series <ul style="list-style-type: none"><li>- Industry standard SMD 3535 package</li><li>- silicone lens</li><li>- Zener diode ESD protection</li></ul>		
		1-5 pcs.	1-5 pcs.
CUN66A1B, <b>365 nm</b> , 900 mW at 500 mA, Uf: typ. 3.8 V, 120°, 3.5 x 3.5 x 2.0 mm	24,00	27,03	
CUN66B1B, <b>365 nm</b> , 850 mW at 500 mA, Uf: typ. 3.8 V, 45°, 3.5 x 3.5 x 2.83 mm	24,00	27,03	
	ultra high power <b>single chip</b> UV-LED series <ul style="list-style-type: none"><li>- aluminium SMD package</li><li>- quartz glass window</li><li>- Zener diode ESD protection</li></ul>		
		1-5 pcs.	1-5 pcs.
CUN6AF1B, <b>365 nm</b> , 690 mW at 500 mA, Uf: typ. 4.0 V, 110°, 6.3 x 6.3 x 1.4 mm	32,80	36,94	
CUN7AF1B, <b>375 nm</b> , 710 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.4 mm	26,70	30,07	
CUN8AF1A, <b>385 nm</b> , 950 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.4 mm	26,70	30,07	
CUN8AF1B, <b>385 nm</b> , 950 mW at 500 mA, Uf: typ. 3.8 V, 110°, 6.3 x 6.3 x 1.4 mm	26,70	30,07	
CUN9AF1B, <b>395 nm</b> , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.4 mm	21,00	23,65	
CUN0AF1B, <b>405 nm</b> , 900 mW at 500 mA, Uf: typ. 3.6 V, 110°, 6.3 x 6.3 x 1.4 mm	19,50	21,96	
	high power <b>4-chip</b> UV-LED series hermetic ceramic SMD package glass window RoHS compliant, ESD protection		
		1-5 pcs.	1-5 pcs.
UVLED-365-2000-SMD, <b>365 nm</b> , typ 2.0 W at 500 mA, Uf: typ 15.0 V, 120°, 6.8x6.8x1.84 mm	147,00	165,54	
UVLED-385-1200-SMD, <b>385 nm</b> , typ 1.2 mW at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm	120,00	135,13	
UVLED-385-2400-SMD, <b>385 nm</b> , typ 2.4 W at 500 mA, Uf: typ 14.8 V, 120°, 6.8x6.8x1.84 mm	147,00	165,54	
	ultra high power <b>4-chip</b> UV-LED series <ul style="list-style-type: none"><li>- aluminium SMD package</li><li>- quartz glass window</li><li>- 4 chip configuration (2 serial., 2 parallel)</li><li>- Zener diode ESD protection</li></ul>		
		1-5 pcs.	1-5 pcs.
CUN6AF4A, <b>365 nm</b> , 2.35 W at 1 A, Uf: typ. 7.8 V, 110°, 6.35 x 6.35 x 1.4 mm	102,05	114,92	
CUN6HF4A, <b>365 nm</b> , 5 W at 4 A, Uf: typ. 4.1 V, 6.8 x 6.8 x 1.0 mm	189,00	212,84	
CUN8AF4A, <b>385 nm</b> , 3.75 mW at 1 A, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm	98,40	110,81	
CUN9AF4A, <b>395 nm</b> , 3.75 W at 1 A, Uf: typ. 7.4 V, 110°, 6.35 x 6.35 x 1.4 mm	71,80	80,86	
	high radiation intensity surface mount LED on AlN ceramics submount, silver plated soldering pads, lead free solderable, RoHs compliant, Top - 40...85°C  size: 3.8x3.8x0.9 mm		
		1-9 pcs.	1-9 pcs.
RLCU-440-365, <b>365-370 nm</b> , 40-90 mW at 350mA, Vf=4.0V, 120°	64,60	72,75	
RLCU-440-380, <b>380-385 nm</b> , 90-160 mW at 350mA, Vf=4.0V, 120°	32,80	36,94	
RLCU-440-390, <b>390-395 nm</b> , 130-260 mW at 350mA, Vf=4.0V, 120°	23,90	26,91	
RLCU-440-400, <b>400-405 nm</b> , 190-310 mW at 350mA, Vf=4.0V, 120°	20,40	22,97	
RLCU-440-410, <b>410-415 nm</b> , typ.250 mW at 350mA, Vf=4.0V, 120°	28,50	32,09	

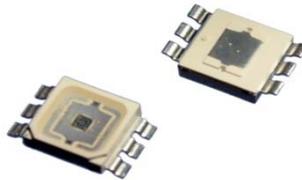
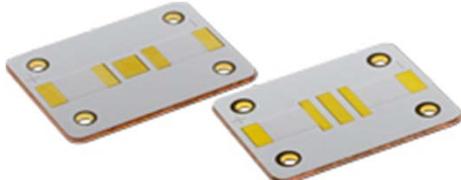
RLCU-440-415, <b>415-420 nm</b> , typ.250 mW at 350mA, Vf=4.0V, 120°	28,50	32,09	
RLCU-440-720, <b>720 nm</b> , 30-50 mW/sr at 350mA, 120°	12,00	13,51	
RLCU-440-880, <b>880 nm</b> , 20-30 mW/sr at 350mA, 120°	12,00	13,51	
RLCU-440-970, <b>970 nm</b> , typ.9 mW/sr at 350mA, 120°	22,80	25,68	
RLCU-440-1020, <b>1020 nm</b> , typ.17 mW/sr at 350mA, 120°	29,70	33,45	
RLCU-440-1050, <b>1050 nm</b> , typ.16 mW/sr at 350mA, 120°	29,70	33,45	
	high power UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection  size: 5.0 x 5.0 x 1.0 mm	1-5 pcs.	1-5 pcs.
VL370-5050, <b>370 nm</b> , 20-30 mW at 350 mA, Uf: typ. 4.0-4.2 V, 120°	21,60	24,32	
VL380-5050, <b>380 nm</b> , 50-60 mW at 350 mA, Uf: typ. 3.8-4.2 V, 120°	15,20	17,12	
VL390-5050, <b>390 nm</b> , 70-80 mW at 350 mA, Uf: typ. 3.8-4.2 V, 120°	10,95	14,95	
VL400-5050, <b>400 nm</b> , 100-110 mW at 350 mA, Uf: typ. 3.5-3.8 V, 120°	10,95	14,95	
	high power <b>single chip</b> UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current size: 4.2 x 4.2 x 1.3 mm	1-5 pcs.	1-5 pcs.
XRL-375-SD, <b>375 nm</b> , 48 mW at 100 mA, 1 chip, 120°, ceramic SMD, 4.2 x 4.2 x 1.3 mm	49,80	56,08	
	high power <b>4-chip</b> UV-LED series hermetic ceramic SMD package UV resistant silicone mold integrated zener diode ESD protection low operation current size: 4.2 x 4.2 x 1.3 mm	1-5 pcs.	1-5 pcs.
XHL-375-SD, <b>375 nm</b> , 95 mW at 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm	49,00	55,18	
XHL-400-SD, <b>400 nm</b> , 150 mW at 80 mA, 4 chips, 125°, ceramic SMD, 4.2 x 4.2 x 1.3 mm	36,60	41,22	
	high power <b>multi chip</b> UV-LED series hermetic ceramic SMD package UV resistant silicone mold  size: Ø19.9 x 7.9 mm	1-5 pcs.	1-5 pcs.
XML-365-SD, <b>365 nm</b> , 200 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm	175,00	197,07	
XML-385-SD, <b>385 nm</b> , 1000 mW at 300 mA, 25 chips, ceramic SMD, 19.9 x 7.9 mm	175,00	197,07	
	high power <b>single chip</b> UV-LED series hermetic ceramic emitter package UV resistant silicone mold	1-5 pcs.	1-5 pcs.
VL380-EMITTER, <b>380 nm</b> , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	18,00	20,27	
VL390-EMITTER, <b>390 nm</b> , 200-300 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	17,00	19,14	
VL400-EMITTER, <b>400 nm</b> , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	16,00	18,02	
VL410-EMITTER, <b>410 nm</b> , 300-400 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	15,00	16,89	
VL440-EMITTER, <b>440 nm</b> , 400-500 mW at 350 mA, Uf: typ. 3.0-4.0 V, 140°	14,00	15,77	
<b>HIGH POWER TOP SMD LED</b>	<b>EUR</b>	<b>USD</b>	
	high power SMD LED series If: 3 x 20 mA, +/-60° angle <b>3 chips</b> inside  size: 6.0 x 5.0 x 1.7 mm <b>► PHASE OUT</b>	1-49 pcs.	1-49 pcs.
WTFH01DS, <b>white</b> , 3 cd at 3x20mA, Vf = 3.2V, +/-60°	2,29	2,58	

GNFH01TS, green, <b>523 nm</b> , 1.3 cd at 3x20mA, Vf = 3.2V, +/-60°	1,33	1,50
OMFH01TS, red, <b>626 nm</b> , 540 mcd at 3x20mA, Vf = 2.3V, +/-60°	1,00	1,13
<b>HIGH POWER TOP SMD LED SMB1N series</b>	<b>EUR</b>	<b>USD</b>
	1 W high power LED series, power chip technology, chip size 1 x 1 mm², mounted on copper heat sink into a PA9T SMD package, without leads, flat or with lens 365 - 1550 nm available  base size: 5.0 x 5.2 mm, silicone / epoxy mold	
	1-49 pcs.	1-49 pcs.
SMB1N-365V, <b>365 nm</b> , 500 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	34,61	38,97
SMB1N-365V-02, <b>365 nm</b> , 500 mW at 500 mA, Uf <4.5 V, 20°, 5.0x5.2x5.5 mm	38,25	43,07
SMB1N-375V, <b>375 nm</b> , 560 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	27,44	30,90
SMB1N-375V-02, <b>375 nm</b> , 560 mW at 500 mA, Uf <4.5 V, 20°, 5.0x5.2x5.5 mm	29,26	32,96
SMB1N-395V, <b>395 nm</b> , 750 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	17,12	19,28
SMB1N-395V-02, <b>395 nm</b> , 750 mW at 500 mA, Uf <4.5 V, 22°, 5.0x5.2x5.5 mm	17,12	19,28
SMB1N-405V, <b>405 nm</b> , 710 mW at 500 mA, Uf <4.2 V, 126°, 5.0x5.2x1.0 mm	17,12	19,28
SMB1N-405V-02, <b>405 nm</b> , 710 mW at 500 mA, Uf <4.2 V, 22°, 5.0x5.2x5.5 mm	20,76	23,38
SMB1N-420H, <b>420 nm</b> , 420 mW at 350 mA, Uf <3.8 V, 126°, 5.0x5.2x1.0 mm	8,50	9,57
SMB1N-420H-02, <b>420 nm</b> , 420 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	10,32	11,62
SMB1N-430H-02, <b>430 nm</b> , 525 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	12,51	14,09
SMB1N-435V, <b>435 nm</b> , 800 mW at 500 mA, Uf <4.5 V, 126°, 5.0x5.2x1.0 mm	o.r.	o.r.
SMB1N-D450, <b>450 nm</b> , 480 mW at 350 mA, Uf <4.0 V, 130°, 5.0x5.2x1.0 mm	6,27	7,06
SMB1N-D450-02, <b>450 nm</b> , 480 mW at 350 mA, Uf <4.0 V, 20°, 5.0x5.2x5.5 mm	10,44	11,76
SMB1N-D470, <b>470 nm</b> , 480 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	8,50	9,57
SMB1N-D470-02, <b>470 nm</b> , 470 mW at 350 mA, Uf <3.8 V, 20°, 5.0x5.2x5.5 mm	10,93	12,31
SMB1N-490, <b>490 nm</b> , 320 mW at 350 mA, Uf <4.1 V, 126°, 5.0x5.2x1.0 mm	8,50	9,57
SMB1N-490H, <b>490 nm</b> , 340 mW at 350 mA, Uf <3.8 V, 128°, 5.0x5.2x1.0 mm	8,50	9,57
SMB1N-490H-02, <b>490 nm</b> , 340 mW at 350 mA, Uf <3.8 V, 22°, 5.0x5.2x5.5 mm	10,66	12,00
SMB1N-515V, <b>515 nm</b> , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	8,50	9,57
SMB1N-515V-02, <b>515 nm</b> , 250 mW at 350 mA, Uf <3.6 V, 18°, 5.0x5.2x5.5 mm	10,32	11,62
SMB1N-D520, <b>520 nm</b> , 250 mW at 350 mA, Uf <3.8 V, 130°, 5.0x5.2x1.0 mm	6,80	7,66
SMB1N-525V, <b>525 nm</b> , 230 mW at 350 mA, Uf <3.6 V, 126°, 5.0x5.2x1.0 mm	8,50	9,57
SMB1N-525V-02, <b>525 nm</b> , 230 mW at 350 mA, Uf <3.6 V, 22°, 5.0x5.2x5.5 mm	10,93	12,31
SMB1N-590, <b>590 nm</b> , 300 mW at 500 mA, Uf <3.0 V, 120°, 5.0x5.2x1.0 mm	9,59	10,80
SMB1N-590-02, <b>590 nm</b> , 200 mW at 350 mA, Uf <2.8 V, 24°, 5.0x5.2x5.5 mm	11,51	12,96
SMB1N-620, <b>620 nm</b> , 190 mW at 350 mA, Uf <2.7 V, 124°, 5.0x5.2x1.0 mm	9,11	10,26
SMB1N-620-02, <b>620 nm</b> , 190 mW at 350 mA, Uf <2.7 V, 18°, 5.0x5.2x5.5 mm	11,54	12,99
SMB1N-D630, <b>630 nm</b> , 330 mW at 350 mA, Uf <2.8 V, 126°, 5.0x5.2x1.0 mm	7,04	7,93
SMB1N-D630-02, <b>630 nm</b> , 330 mW at 350 mA, Uf <2.8 V, 18°, 5.0x5.2x5.5 mm	10,93	12,31
SMB1N-D660N, <b>660 nm</b> , 250 mW at 350 mA, Uf <3.0 V, 124°, 5.0x5.2x1.0 mm	9,11	10,26
SMB1N-D660N-02, <b>660 nm</b> , 250 mW at 350 mA, Uf <3.0 V, 22°, 5.0x5.2x5.5 mm	11,54	12,99
SMB1N-670D, <b>670 nm</b> , 250 mW at 350 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	10,69	12,03
SMB1N-670D-02, <b>670 nm</b> , 290 mW at 350 mA, Uf <3.0 V, 22°, 5.0x5.2x5.5 mm	12,51	14,08
SMB1N-680, <b>680 nm</b> , 170 mW at 600 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	10,69	12,03
SMB1N-680-02, <b>680 nm</b> , 170 mW at 600 mA, Uf <2.5 V, 18°, 5.0x5.2x5.5 mm	12,51	14,08
SMB1N-690D, <b>690 nm</b> , 490 mW at 600 mA, Uf <3.0 V, 126°, 5.0x5.2x1.0 mm	10,44	11,76
SMB1N-690D-02, <b>690 nm</b> , 490 mW at 600 mA, Uf <3.0 V, 18°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-700, <b>700 nm</b> , 120 mW at 500 mA, Uf <2.7V, 128°, 5.0x5.2x1.0 mm	10,69	12,03
SMB1N-700-02, <b>700 nm</b> , 120 mW at 500 mA, Uf <2.7 V, 20°, 5.0x5.2x5.5 mm	13,11	14,77
SMB1N-720, <b>720 nm</b> , 170 mW at 600 mA, Uf <2.8 V, 126°, 5.0x5.2x1.0 mm	10,69	12,03
SMB1N-720-02, <b>720 nm</b> , 190 mW at 600 mA, Uf <2.8 V, 20°, 5.0x5.2x5.5 mm	12,51	14,08
SMB1N-735, <b>735 nm</b> , 200 mW at 600 mA, Uf <2.3 V, 130°, 5.0x5.2x1.0 mm	10,44	11,76
SMB1N-735-02, <b>735 nm</b> , 200 mW at 600 mA, Uf <2.3 V, 22°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-740D, <b>740 nm</b> , 290 mW at 600 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	9,47	10,67
SMB1N-740D-02, <b>740 nm</b> , 290 mW at 600 mA, Uf <2.4 V, 18°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-750, <b>750 nm</b> , 290 mW at 800 mA, Uf <2.4 V, 126°, 5.0x5.2x1.0 mm	10,44	11,76
SMB1N-750-02, <b>750 nm</b> , 290 mW at 800 mA, Uf <2.4 V, 20°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-760D, <b>760 nm</b> , 400 mW at 800 mA, Uf <2.5 V, 128°, 5.0x5.2x1.0 mm	10,44	11,76
SMB1N-760D-02, <b>760 nm</b> , 400 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-770, <b>770 nm</b> , 290 mW at 800 mA, Uf <2.5 V, 130°, 5.0x5.2x1.0 mm	10,44	11,76

SMB1N-770-02, <b>770 nm</b> , 330 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-780-02, <b>780 nm</b> , 330 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	9,47	10,67
SMB1N-780D, <b>780 nm</b> , 500 mW at 800 mA, Uf <2.6 V, 128°, 5.0x5.2x1.0 mm	10,44	11,76
SMB1N-780D-02, <b>780 nm</b> , 500 mW at 800 mA, Uf <2.6 V, 18°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-810D, <b>810 nm</b> , 560 mW at 800 mA, Uf <2.5 V, 126°, 5.0x5.2x1.0 mm	11,78	13,26
SMB1N-810D-02, <b>810 nm</b> , 560 mW at 800 mA, Uf <2.5 V, 20°, 5.0x5.2x5.5 mm	12,87	14,49
SMB1N-830N, <b>830 nm</b> , 280 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	9,71	10,94
SMB1N-830N-02, <b>830 nm</b> , 340 mW at 800 mA, Uf <2.2 V, 18°, 5.0x5.2x5.5 mm	12,14	13,67
SMB1N-850D, <b>850 nm</b> , 650 mW at 1000 mA, Uf <2.5 V, 124°, 5.0x5.2x1.0 mm	9,98	11,24
SMB1N-850D-02, <b>850 nm</b> , 630 mW at 1000 mA, Uf <2.5V, 22°, 5.0x5.2x5.5 mm	11,88	13,37
SMB2N-850D-I, <b>850 nm</b> , 1000 mW at 1000 mA, 120°, 5.0x5.2x1.0 mm, 2 chip dies	17,95	20,21
SMB3N-850D-I, <b>850 nm</b> , 1500 mW at 1000 mA, Uf <7.5 V, 5.0x5.2x1.0 mm, 3 chip dies	o.r	o.r
SMB3N-850D-02-I, <b>850 nm</b> , 1600 mW at 1000 mA, Uf <7.5 V, 5.0x5.2x5.5 mm, 3 chip dies	o.r	o.r
SMB1N-870, <b>870 nm</b> , 440 mW at 1000 mA, Uf <2.0 V, 130°, 5.0x5.2x1.0 mm	9,23	10,39
SMB1N-870-02, <b>870 nm</b> , 430 mW at 1000 mA, Uf <2.5 V, 24°, 5.0x5.2x5.5 mm	11,66	13,13
SMB1N-880, <b>880 nm</b> , 320 mW at 800 mA, Uf <2.2 V, 128°, 5.0x5.2x1.0 mm	9,71	10,94
SMB1N-880-02, <b>880 nm</b> , 320 mW at 800 mA, Uf <2.2 V, 20°, 5.0x5.2x5.5 mm	14,57	16,41
SMB1N-940-02, <b>940 nm</b> , 120 mW at 500 mA, Uf <1.8 V, 24°, 5.0x5.2x1.0 mm	9,30	10,47
SMB1N-940D, <b>940 nm</b> , 630 mW at 1000 mA, Uf <1.8 V, 124°, 5.0x5.2x1.0 mm	9,47	10,67
SMB1N-940D-02, <b>940 nm</b> , 630 mW at 1000 mA, Uf <1.8 V, 22°, 5.0x5.2x5.5 mm	11,90	13,40
SMB1N-970, <b>970 nm</b> , 30 mW at 400 mA, Uf <1.7 V, 134°, 5.0x5.2x1.0 mm	6,07	6,84
SMB1N-970-02, <b>970 nm</b> , 30 mW at 400 mA, Uf <1.7 V, 20°, 5.0x5.2x5.5 mm	8,50	9,57
SMB1N-980D, <b>980 nm</b> , 400 mW at 800 mA, Uf <2.0 V, 122°, 5.0x5.2x1.0 mm	9,03	10,17
SMB1N-980-02, <b>980 nm</b> , 70 mW at 500 mA, Uf <1.7 V, 20°, 5.0x5.2x5.5 mm	9,35	10,53
SMB1N-1050, <b>1050 nm</b> , 45 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	57,84
SMB1N-1050-02, <b>1050 nm</b> , 45 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	60,58
SMB1N-1200, <b>1200 nm</b> , 39 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	57,84
SMB1N-1200-02, <b>1200 nm</b> , 39 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	60,58
SMB1N-1300, <b>1300 nm</b> , 43 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	57,84
SMB1N-1300-02, <b>1300 nm</b> , 43 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	60,58
SMB1N-1450, <b>1450 nm</b> , 17 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	57,84
SMB1N-1450-02, <b>1450 nm</b> , 17 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	60,58
SMB1N-1550, <b>1550 nm</b> , 18 mW at 500 mA, Uf <1.4 V, 138°, 5.0x5.2x1.0 mm	51,36	57,84
SMB1N-1550-02, <b>1550 nm</b> , 18 mW at 500 mA, Uf <1.4 V, 20°, 5.0x5.2x5.5 mm	53,79	60,58
SMB1N-1650, <b>1650 nm</b> , 16 mW at 500 mA, Uf <1.5 V, 136°, 5.0x5.2x1.0 mm	51,36	57,84
SMB1N-1650-02, <b>1650 nm</b> , 16 mW at 500 mA, Uf <1.5 V, 20°, 5.0x5.2x5.5 mm	53,79	60,58

Further wavelengths available on request

HIGH POWER TOP SMD LED SMB1W series	EUR	USD
	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 flat or with lens 395 nm - 940 nm available	
	base size: 5.0 x 5.0 mm, silicone / epoxy mold	
SMB1W-395R, <b>395 nm</b> , 100 mW at 200 mA, Vf <4.5 V, 120°	19,44	21,89
SMB1W-470-04, <b>470 nm</b> , 170 mW at 250 mA, Vf <3.8 V, 36°	14,14	15,92
SMB1W-490R, <b>490 nm</b> , 160 mW at 250 mA, Vf <4.1 V, 126°	12,37	13,93
SMB1W-490-31, <b>490 nm</b> , 180 mW at 250 mA, Vf <4.1 V, 14°	16,19	18,23
SMB1W-525R, <b>525 nm</b> , 55 mW at 200 mA, Vf <3.8 V, 120°	12,37	13,93
SMB1W-670R, <b>675 nm</b> , 200 mW at 600 mA, Vf < 2.0V, 124°	11,49	12,94
SMB1W-680R-I, <b>680 nm</b> , 90 mW at 500 mA, Vf <2.7 V, 124°, isolated	12,37	13,93
SMB1W-700-02, <b>700 nm</b> , 90 mW at 500 mA, Vf <2.7 V, 22°	9,19	10,35
SMB1W-700-04, <b>700 nm</b> , 90 mW at 500 mA, Vf <2.7 V, 48°	9,19	10,35
SMB1W-700-04-I, <b>700 nm</b> , 90 mW at 500 mA, Vf <2.7 V, 48°, isolated	14,14	15,92
SMB1W-750-02, <b>750 nm</b> , 330 mW at 800 mA, Vf <2.5 V, 22°	8,66	9,75
SMB1W-750-04, <b>750 nm</b> , 330 mW at 800 mA, Vf <2.5 V, 42°	12,55	14,13
SMB1W-760-I, <b>760 nm</b> , 330 mW at 800 mA, Vf <2.5 V, 124°, isolated	11,66	13,13
SMB1W-760-04-I, <b>760 nm</b> , 330 mW at 800 mA, Vf <2.5 V, 48°, isolated	13,43	15,12
SMB1W-770R, <b>770 nm</b> , 330 mW at 800 mA, Vf <2.5V, 124°	11,66	13,13
SMB1W-770-04, <b>770 nm</b> , 330 mW at 800 mA, Vf < V, 42°	12,55	14,13

SMB1W-780-02, <b>780 nm</b> , 330 mW at 800 mA, Vf <2.5 V, 22°	12,90	14,53
SMB1W-780-04-I, <b>780 nm</b> , 330 mW at 800 mA, Vf <2.5 V, 48°, isolated	13,43	15,12
SMB1W-850, <b>850 nm</b> , 430 mW at 1.0 A, Vf <2.5 V, 132°	9,90	11,15
SMB1W-850D, <b>850 nm</b> , 600 mW at 1.0 A, Vf <2.9 V, 126°	9,90	11,15
SMB1W-850D-04, <b>850 nm</b> , 630 mW at 1.0 A, Vf <2.5 V, 38°	11,49	12,94
SMB1W-870, <b>870 nm</b> , 430 mW at 1.0 A, Vf <2.5 V, 132°	9,90	11,15
SMB1W-870-I, <b>870 nm</b> , 230 mW at 600 mA, Vf <2.1 V, 132°, isolated	10,78	12,14
SMB1W-880R-I, <b>880 nm</b> , 320 mW at 800 mA, Vf <2.2 V, 132°, isolated	12,37	13,93
SMB1W-880-04-I, <b>880 nm</b> , 320 mW at 800 mA, Vf <2.2 V, 42°, isolated	12,55	14,13
SMB1W-940-04-I, <b>940 nm</b> , 110 mW at 500 mA, Vf <1.65 V, 50°, isolated	8,48	9,55
<b>HIGH POWER TOP SMD LED SMB MULTI CHIP series</b>	<b>EUR</b>	<b>USD</b>
	high power LED series, power chip technology <b>multi chip</b> LEDs, mounted on copper heat sink into a hermetic ceramic SMD package 395 nm - 1050 nm available, different lenses available  base size: 5.0 x 5.0 mm², silicone / epoxy mold	
SMB3W-420/525/640R-I, <b>420/525/640 nm</b> , 115/60/110 mW at 300 mA, 124°, triple LED, iso.	44,53	50,15
<b>ACCESSORIES FOR SMB series</b>	<b>EUR</b>	<b>USD</b>
	<b>PCB boards</b> to get your SMB LEDs mounted easily! Available for SMB1W and SMB1N series  size: 17 x 23 mm	
SMB1W-PCB, PCB for SMB1W series, 17 x 23 mm	5,76	6,49
SMB1N-PCB, PCB for SMB1N series, 17 x 23 mm	5,76	6,49
	<b>Taped Lens</b> for SMB LEDs Clear Lens wih holder, taped for easy mounting. Optical grade PMMA with high UV and 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	11,11
<b>SUPER BEAM LED square EPOXY</b>	<b>EUR</b>	<b>USD</b>
	super beam LED series +/-8° viewing angle clear epoxy package  base size: 7.6 x 7.6 mm	
	1-19 pcs.	1-19 pcs.
FL630W-21, <b>635 nm</b> , 8 mW or 10 cd at 20 mA, VF <2.2 V, +/- 8°	3,36	3,78
FL850-03-80, <b>850 nm</b> , 60 mW at 100 mA, 16°, tr/tf 15/10ns	6,01	6,77
<b>ENHANCED POWER LED SERIES HIGH POWER LED EP20 series ULTRA NARROW BEAM</b>	<b>EUR</b>	<b>USD</b>
	high power LED series, 1 power chip inside, If: 150 mA  size: 15.6 x 11,2 mm² base, 10.0 x 14.10 mm dome  ► PHASE OUT	
	1-9 pcs.	1-9 pcs.
EP2012-150A1, yellow, <b>590 nm</b> , 35 cd at 150 mA, +/-10°	6,16	6,94
EP204K-150B1, blue, <b>470 nm</b> , 1.5 cd at 150 mA, +/-50°	6,16	6,94
<b>HIGH POWER LED JET series NARROW BEAM M12 x 1</b>	<b>EUR</b>	<b>USD</b>

	ultra narrow beam angle power LED series <b>5° and 10° viewing angle, 1 power chip</b> , clear epoxy package, square beam, no dark beam center from bonding wire, fast switching (30/40ns) M12 x 1 thread package		
		1-9 pcs.	1-9 pcs.
JET-635-05, <b>635 nm</b> , 110 mW at 500 mA, 5° (2Θ1/2)		44,00	49,55
JET-635-10, <b>635 nm</b> , 205 mW at 500 mA, 10° (2Θ1/2)		44,00	49,55
JET-660-05, <b>655 nm</b> , 135 mW at 500 mA, 05° (2Θ1/2)		44,00	49,55
JET-660-12, <b>655 nm</b> , 210 mW at 500 mA, 10° (2Θ1/2)		44,00	49,55
JET-685-05, <b>680 nm</b> , 70 mW at 700 mA, 05° (2Θ1/2)		44,00	49,55
JET-685-10, <b>680 nm</b> , 88 mW at 700 mA, 10° (2Θ1/2)		44,00	49,55
JET-735-05, <b>730 nm</b> , 70 mW at 500 mA, 5° (2Θ1/2)		44,00	49,55
JET-735-10, <b>730 nm</b> , 130 mW at 500 mA, 10° (2Θ1/2)		44,00	49,55
JET-800-10, <b>800 nm</b> , 90 mW at 500 mA, 10° (2Θ1/2)		44,00	49,55
JET-870-05, <b>870 nm</b> , 90 mW at 500 mA, 05° (2Θ1/2)		44,00	49,55
JET-870-10, <b>870 nm</b> , 90 mW at 500 mA, 10° (2Θ1/2)		44,00	49,55
<b>HIGH POWER LED ELJ series JUMBO PACKAGE M10 x 1.5 - 1 WATT</b>		EUR	USD
	narrow beam power LED series, <b>1 power chip</b> , clear aspheric plastic lens, round beam  M10 x 1.5 thread package, metal case  available viewing angle: 10, 20, 40 and 85° further wavelengths available on request		
		1-9 pcs.	1-9 pcs.
ELJ-375-697, <b>375 nm</b> , 85 mW at 500 mA, 85°, <b>MOQ: 20 pcs.</b>		81,90	92,23
ELJ-385-697, <b>385 nm</b> , 190 mW at 700 mA, 85°, <b>MOQ: 20 pcs.</b>		81,90	92,23
ELJ-405-697, <b>405 nm</b> , 240 mW at 500 mA, 85°, <b>MOQ: 20 pcs.</b>		81,90	92,23
ELJ-465-627, <b>465 nm</b> , 45 mW / 35 cd / 2.75 lm at 350 mA, 3.3 V, 15°		27,20	30,63
ELJ-525-627, <b>525 nm</b> , 70 mW at 500 mA, 20°		32,55	36,66
ELJ-590-617, <b>595 nm</b> , 45 mW / 1.3 W/sr at 700 mA, <3.2 V, 8°		27,20	30,63
ELJ-630-628, <b>630 nm</b> , 95 mW at 1 A, 20°		32,55	36,66
ELJ-650-637, <b>650 nm</b> , 75 mW / 220 mW/sr at 700 mA, <2.6 V, 26°		27,20	30,63
ELJ-660-618, <b>660 nm</b> , 35 mW at 1 A, 10°, <b>MOQ: 20 pcs.</b>		32,55	36,66
ELJ-670-629, <b>670 nm</b> , 80 mW at 1 A, 2.0 V, 15°		27,20	30,63
ELJ-730-626, <b>730 nm</b> , 100 mW at 500 mA, 20°, <b>MOQ: 20 pcs.</b>		32,55	36,66
ELJ-750-629, <b>750 nm</b> , 200 mW / 1.8 W/sr at 1 A, 2.0 V, tr/tf: 60 ns, 20°		27,20	30,63
ELJ-810-629, <b>810 nm</b> , 110 mW / 980 mW/sr at 1 A, 2.0 V, tr/tf: 75 ns, 15°		27,20	30,63
ELJ-830-629, <b>830 nm</b> , 90 mW at 1.2 A, 20°, <b>MOQ: 20 pcs.</b>		32,55	36,66
ELJ-830-649, <b>830 nm</b> , 280 mW / 850 mW/sr at 1 A, <2.4 V, 35°		27,20	30,63
ELJ-850-629, <b>850 nm</b> , 280 mW / 2.0 W/sr at 1 A, 2.0 V, tr/tf: 15/20 ns, 20°		27,20	30,63
ELJ-870-619, <b>870 nm</b> , 220 mW / 2.5 W/sr at 1 A, <2.3 V, 13°		27,20	30,63
ELJ-870-629, <b>870 nm</b> , 250 mW / 1.9 W/sr at 1 A, 2.0 V, tr/tf: 10/20 ns, 15°		27,20	30,63
ELJ-870-649, <b>870 nm</b> , 240 mW / 615 mW/sr at 1A, <2.3 V, 35°		27,20	30,63
ELJ-940-629, <b>940 nm</b> , 50 mW at 1.8 A, 20°, <b>MOQ: 20 pcs.</b>		32,55	36,66
ELJ-940-649, <b>940 nm</b> , 215 mW / 670 mW/sr at 1.5 A, <2.4 V, 30°		27,20	30,63
ELJ-1300-629, <b>1300 nm</b> , 14 mW at 350 mA, 20°, <b>MOQ: 20 pcs.</b>		90,30	101,69
ELJ-1550-629, <b>1550 nm</b> , 14 mW at 1 A, 20°, <b>MOQ: 20 pcs.</b>		90,30	101,69
<b>HIGH POWER LED APG2C1 series Emitter PACKAGE - 1 WATT</b>		EUR	USD
	high power LED emitter typ. 1 Watt electrical power  base diameter 7.4 mm, height 6.87 mm package color: black or white silicone lens		
		1-9 pcs.	1-9 pcs.
APG2C1-365-r4, UV, <b>365 nm</b> , 270 mW at 350 mA, Uf <4.2 V, +/-75°, silicone lens		22,00	24,77
APG2C1-375, UV, <b>375 nm</b> , 55 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens		18,00	20,27
APG2C1-375-E, UV, <b>375 nm</b> , 200 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens		21,00	23,65
APG2C1-385, UV, <b>385 nm</b> , 60 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens		16,70	18,81
APG2C1-385-r2, UV, <b>385 nm</b> , 320 mW at 350 mA, Uf 3.6 V, +/-75°, silicone lens		17,90	20,16

APG2C1-395, UV, <b>395 nm</b> , 55 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	16,00	18,02
APG2C1-405, violet, <b>405 nm</b> , 105 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	14,50	16,33
APG2C1-410, violet, <b>410 nm</b> , 125 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	7,93	8,93
APG2C1-410-r2, violet, <b>410 nm</b> , 400 mW at 350 mA, Uf <3.9 V, +/-75°, silicone lens	13,00	14,64
APG2C1-420, violet, <b>420 nm</b> , 130 mW at 350 mA, Uf 3.7 V, +/-75°, silicone lens	7,93	8,93
APG2C1-435, violet, <b>435 nm</b> , 380 mW at 350 mA, Uf 3.5 V, +/-75°	7,93	8,93
APG2C1-450, royal blue, <b>450 nm</b> , 430 mW at 350 mA, Uf 3.1 V, +/-75°	7,93	8,93
APG2C1-470, blue, <b>470 nm</b> , 200 mW at 350 mA, Uf 3.3 V, +/-75°	7,93	8,93
APG2C1-480, blue, <b>480 nm</b> , 16-18cd at 350 mA, Uf 3.3 V, +/-75°	7,93	8,93
APG2C1-490, cyan, <b>490 nm</b> , 130 mW at 350 mA, Uf 3.3 V, +/-75°	7,93	8,93
APG2C1-505, cyan, <b>505 nm</b> , 130 mW at 350 mA, Uf = 3.5 V, +/-75°	7,93	8,93
APG2C1-515, green, <b>515 nm</b> , 150 mW at 350 mA, Uf = 3.3 V, +/-75°	7,93	8,93
APG2C1-650, red, <b>650 nm</b> , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	7,93	8,93
APG2C1-660, red, <b>660 nm</b> , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	7,93	8,93
APG2C1-670, red, <b>670 nm</b> , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	8,93
APG2C1-680, red, <b>680 nm</b> , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	8,93
APG2C1-690, red, <b>690 nm</b> , 60 mW at 350 mA, Uf = 1.7 V, +/-75°	7,93	8,93
APG2C1-720, IR, <b>720 nm</b> , 100 mW at 350 mA, Uf = 2.0 V, +/-75°	7,93	8,93
APG2C1-740, IR, <b>740 nm</b> , 80 mW at 350 mA, Uf = 1.9 V, +/-75°	7,93	8,93
APG2C1-760, IR, <b>760 nm</b> , 70 mW at 350 mA, Uf = 1.9 V, +/-75°	7,93	8,93
APG2C1-780, IR, <b>780 nm</b> , 70 mW at 350 mA, Uf 1.7 V, +/-75°	7,93	8,93
APG2C1-810, IR, <b>810 nm</b> , 90 mW at 350 mA, Uf 1.8 V, +/-75°	7,93	8,93
APG2C1-830, IR, <b>830 nm</b> , 70 mW at 350 mA, Uf = 1.5 V, +/-75°	7,93	8,93
APG2C1-850, IR, <b>850 nm</b> , 90 mW at 350 mA, Uf 1.5 V, +/-75°	7,93	8,93
APG2C1-880, IR, <b>880 nm</b> , 90 mW at 350 mA, Uf 1.5 V, +/-75°	7,93	8,93
APG2C1-905, IR, <b>905 nm</b> , 70 mW at 350 mA, Uf 1.3 V, +/-75°	7,93	8,93
APG2C1-920, IR, <b>920 nm</b> , 80 mW at 350 mA, Uf = 1.3 V, +/-75°	7,93	8,93
APG2C1-940, IR, <b>940 nm</b> , 50 mW at 350 mA, Uf 1.3 V, +/-75°	7,93	8,93
APG2C1-970, IR, <b>970 nm</b> , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	7,93	8,93
APG2C1-1020, IR, <b>1020 nm</b> , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	31,87
APG2C1-1030, IR, <b>1030 nm</b> , 60 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	31,87
APG2C1-1050, IR, <b>1050 nm</b> , 50 mW at 350 mA, Uf = 1.4 V, +/-75°	28,30	31,87

HIGH POWER LED HP803 series Emitter Package - 3 WATT	EUR	USD
 <p>high power LED emitter, 3 Watt electrical power, highest flux, very long operating life (&gt;&gt;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 base diameter 7.4 mm, height 6.87 mm  <b>► PHASE OUT</b></p>	1-9 pcs.	1-9 pcs.

HP803NW, white, typ. 6000 K, 130-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,60
HP803WW, warm white, typ. 3300 K, 140-170 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,60
HP803PG, pure green, <b>530 nm</b> , 80-110 lm at 700 mA, Ub 3.8 V, 120°	6,75	7,60
HP803NO, amber, <b>590 nm</b> , 36 lm at 700 mA, Ub 3.0 V, 120°	5,85	6,59
HP803NR, red, <b>625 nm</b> , 50-70 lm at 700 mA, Ub 3.0 V, 120°	5,85	6,59

HIGH POWER LED APG2C3 series Emitter Package - 3 WATT	EUR	USD
 <p>high power LED emitter  3 Watt electrical power  base diameter 7.4 mm, height 6.87 mm  package color: black or white</p>	1-9 pcs.	1-9 pcs.

APG2C3-NW, white, typ. 6000 K, 150-170 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,60
APG2C3-WW, warm white, typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,60
APG2C3-460, <b>470 nm</b> , 20-30 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,60
APG2C3-470, <b>470 nm</b> , 20-40 lm at 700 mA, Ub 3.6 V, 120°	6,75	7,60
APG2C3-530, <b>530 nm</b> , 90-120 lm at 700 mA, Ub 4.0 V, 120°	6,75	7,60
APG2C3-590, <b>590 nm</b> , 60-80 lm at 700 mA, Ub 2.8 V, 120°	5,85	6,59
APG2C3-625, <b>625 nm</b> , 60-80 lm at 700 mA, Ub 2.8 V, 120°	5,85	6,59

HIGH POWER LED APG2C5 series Emitter Package - 5 WATT	EUR	USD
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	high power LED emitter 5 Watt electrical power, chip size 2 x 2 mm <sup>2</sup>  base diameter 7.4 mm, height 6.87 mm package color: black or white		
APG2C5-670, red, <b>670 nm</b> , typ. 250-300 mW at 2 A, +/-75°, lambertian epoxy lens	26,00	29,28	1-9 pcs.
APG2C5-680, red, <b>680 nm</b> , typ. 550 mW at 2 A, +/-75°, lambertian epoxy lens	26,00	29,28	1-9 pcs.
<b>ACCESSORIES FOR EMITTER series</b>		<b>EUR</b>	<b>USD</b>
	<b>PCB boards</b> 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		
PCB-STAR, PCB Heat Sink for High Power Emitter LEDs, white, hexagonal, 19.9x19.9x1.5 mm	1,20	1,35	
<b>HIGH POWER LED H2A1 series HEXAGONAL PACKAGE - 1 WATT</b>		<b>EUR</b>	<b>USD</b>
	1 W high power LED series, diverse wavelengths, power chip technology, chip size 1 x 1 mm <sup>2</sup> , lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses		
		1-9 pcs.	1-9 pcs.
H2A1-H365-r4, UV, <b>365 nm</b> , 270 mW at 350 mA, Uf <4.2 V, +/-75°, silicone lens	22,50	25,34	
H2A1-H375-E, UV, <b>375 nm</b> , 200 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens	21,50	24,21	
H2A1-H385, UV, <b>385 nm</b> , 60 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens	17,20	19,37	
H2A1-H385-r2, UV, <b>385 nm</b> , 320 mW at 350 mA, Uf = 3.6 V, +/-75°, silicone lens	18,40	20,72	
H2A1-H395, UV, <b>395 nm</b> , 55 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens	16,50	18,58	
H2A1-H405, violet, <b>405 nm</b> , 105 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens	15,00	16,89	
H2A1-H410-r2, violet, <b>410 nm</b> , 400 mW at 350 mA, Uf <3.9 V, +/-75°, silicone lens	13,50	15,20	
H2A1-H420, violet, <b>420 nm</b> , 130 mW at 350 mA, Uf = 3.7 V, +/-75°, silicone lens	8,79	9,90	
H2A1-H435, violet, <b>435 nm</b> , 380 mW at 350 mA, Uf = 3.5 V, +/-75°	8,79	9,90	
H2A1-H450, royal blue, <b>450 nm</b> , 430 mW at 350 mA, Uf = 3.1 V, +/-75°	8,79	9,90	
H2A1-H470, blue, <b>470 nm</b> , 200 mW at 350 mA, Uf = 3.3 V, +/-75°	8,79	9,90	
H2A1-H480, blue, <b>480 nm</b> , 16-18 cd at 350 mA, Uf = 3.3 V, +/-75°	8,79	9,90	
H2A1-H490, cyan, <b>490 nm</b> , 130 mW at 350 mA, Uf = 3.3 V, +/-75°	8,79	9,90	
H2A1-H505, cyan, <b>505 nm</b> , 130 mW at 350 mA, Uf = 3.5 V, +/-75°	8,79	9,90	
H2A1-H515, green, <b>515 nm</b> , 150 mW at 350 mA, Uf = 3.3 V, +/-75°	8,79	9,90	
H2A1-H650, red, <b>650 nm</b> , 40 mW at 350 mA, Uf = 2.0 V, +/-75°	8,79	9,90	
H2A1-H660, red, <b>660 nm</b> , 60 mW at 350 mA, Uf = 2.1 V, +/-75°	8,79	9,90	
H2A1-H670, red, <b>670 nm</b> , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	8,79	9,90	
H2A1-H680, red, <b>680 nm</b> , 60 mW at 350 mA, Uf = 2.0 V, +/-75°	8,79	9,90	
H2A1-H690, red, <b>690 nm</b> , 60 mW at 350 mA, Uf = 1.7 V, +/-75°	8,79	9,90	
H2A1-H720, IR, <b>720 nm</b> , 70 mW at 350 mA, Uf = 2.0 V, +/-75°	8,79	9,90	
H2A1-H740, IR, <b>740 nm</b> , 80 mW at 350 mA, Uf = 1.9 V, +/-75°	8,79	9,90	
H2A1-H760, IR, <b>760 nm</b> , 80 mW at 350 mA, Uf = 1.9 V, +/-75°	8,79	9,90	
H2A1-H780, IR, <b>780 nm</b> , 70 mW at 350 mA, Uf = 1.7 V, +/-75°	8,79	9,90	
H2A1-H810, IR, <b>810 nm</b> , 90 mW at 350 mA, Uf = 1.8 V, +/-75°	8,79	9,90	
H2A1-H830, IR, <b>830 nm</b> , 70 mW at 350 mA, Uf = 1.5 V, +/-75°	8,79	9,90	
H2A1-H850, IR, <b>850 nm</b> , 90 mW at 350 mA, Uf = 1.5 V, +/-75°	8,79	9,90	
H2A1-H880, IR, <b>880 nm</b> , 90 mW at 350 mA, Uf = 1.5 V, +/-75°	8,79	9,90	
H2A1-H905, IR, <b>905 nm</b> , 70 mW at 350 mA, Uf = 1.3 V, +/-75°	8,79	9,90	
H2A1-H920, IR, <b>920 nm</b> , 80 mW at 350 mA, Uf = 1.3 V, +/-75°	8,79	9,90	
H2A1-H940, IR, <b>940 nm</b> , 50 mW at 350 mA, Uf = 1.3 V, +/-75°	8,79	9,90	
H2A1-H970, IR, <b>970 nm</b> , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	8,79	9,90	
H2A1-H1020, IR, <b>1020 nm</b> , 40 mW at 350 mA, Uf = 1.4 V, +/-75°	28,80	32,43	
H2A1-H1030, IR, <b>1030 nm</b> , 65 mW at 350 mA, Uf = 1.4 V, +/-75°	28,80	32,43	
H2A1-H1050, IR, <b>1050 nm</b> , 50 mW at 350 mA, Uf = 1.4 V, +/-75°	28,80	32,43	
<b>HIGH POWER LED LUXEON STAR HEXAGONAL PACKAGE - 1 WATT</b>		<b>EUR</b>	<b>USD</b>

	high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm  ► PHASE OUT		
LXHL-MB1D, blue, <b>470 nm</b> , 10 lm at 350 mA, +/-60°		12,00	13,51
LXHL-ME1D, cyan, <b>505 nm</b> , 30 lm at 350 mA, +/-60°		12,00	13,51
LXHL-MH1D, orange, <b>617 nm</b> , 55 lm at 350 mA, +/-60°		12,00	13,51
<b>HIGH POWER LED H-HP803 series HEXAGONAL PACKAGE - 3 WATT</b>		<b>EUR</b>	<b>USD</b>
	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) ESD protection, size 19.8 mm, height 8.42 mm  ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
H-HP803NW, white, typ. 6000 K, 130-160 lm at 700 mA, Ub 4.0 V, 120°		7,20	8,11
H-HP803NO, amber, <b>590 nm</b> , 36 lm at 700 mA, Ub 3.0 V, 120°		6,35	7,15
<b>HIGH POWER LED H2A3 series HEXAGONAL PACKAGE - 3 WATT</b>		<b>EUR</b>	<b>USD</b>
	high power LED emitter 3 Watt electrical power  base diameter 19.8 mm, height 8.42 mm		
		1-9 pcs.	1-9 pcs.
H2A3-NW, white, typ. 6000 K, 150-170 lm at 700 mA, Ub 4.0 V, 120°		7,20	8,11
H2A3-WW, warm white, typ. 3300 K, 140-160 lm at 700 mA, Ub 4.0 V, 120°		7,20	8,11
H2A3-H460, <b>460 nm</b> , 20-30 lm at 700 mA, Ub 3.6 V, 120°		7,20	8,11
H2A3-H470, <b>470 nm</b> , 20-40 lm at 700 mA, Ub 4.0 V, 120° ► PHASE OUT		7,20	8,11
H2A3-H530, <b>530 nm</b> , 90-120 lm at 700 mA, Ub 4.0 V, 120°		6,75	7,60
H2A3-H590, <b>590 nm</b> , 60-80 lm at 700 mA, Ub 2.8 V, 120°		6,35	7,15
H2A3-H625, <b>625 nm</b> , 60-80 lm at 700 mA, Ub 2.8 V, 120°		6,35	7,15
<b>HIGH POWER LED LUXEON III STAR HEXAGONAL PACKAGE - 3 WATT</b>		<b>EUR</b>	<b>USD</b>
	high power LED, diverse wavelengths, power chip technology, world's brightest LEDs lambertian, high dome diameter: 20 mm  ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
LXHL-LB3C, blue, <b>470 nm</b> , 30 lm at 1 A, +/-60°		18,00	20,27
LXHL-LE3C, cyan, <b>505 nm</b> , 80 lm at 1 A, +/-60° ► ATTENTION: typ. 530 nm		18,00	20,27
<b>HIGH POWER LED H2W5 series HEXAGONAL PACKAGE - 5 WATT</b>		<b>EUR</b>	<b>USD</b>
	5 W high power LED series, diverse wavelengths, power chip technology, world's brightest single chip emitter LED, chip size 2 x 2 mm <sup>2</sup> , lambertian high dome lens diameter: 20 mm, mechanical compatible with many collimating lenses		
		1-9 pcs.	1-9 pcs.
H2W5-670, <b>670 nm</b> , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		26,00	29,28
H2W5-680, <b>680 nm</b> , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		26,00	29,28
H2W5-850, <b>850 nm</b> , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		35,00	39,41
H2W5-870, <b>870 nm</b> , 550 mW at 2 A, Uf = typ. 2.0 V, +/-75°, lambertian high dome lens		30,00	33,78
H2W5-905, <b>905 nm</b> , 400 mW at 2 A, Uf = typ. 1.9 V, +/-75°, lambertian high dome lens		40,20	45,27
H2W5-950, <b>950 nm</b> , 330 mW at 2 A, Uf = typ. 1.8 V, +/-75°, lambertian high dome lens		25,00	28,15
<b>HIGH POWER LED LUXEON FLASH SMD PACKAGE - 1 WATT</b>		<b>EUR</b>	<b>USD</b>
LXCL-PWF1, white, typ. 53 lm at 1 A pulse, +/-60° ► PHASE OUT		5,96	6,71
<b>HIGH POWER LED H11 series HEXAGONAL PACKAGE - 1 WATT</b>		<b>EUR</b>	<b>USD</b>

	high power LED, 20 mm diameter aluminium disk package, 1x1 mm <sup>2</sup> LED chip size. 1 Watt electrical power available viewing angles: 30°, 60° or 120°  ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
H11A1-HB-30, blue, <b>470 nm</b> , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-HR-30, red, <b>625 nm</b> , 10 cd, 20-25 mW at 350 mA, viewing angle 30°	3,23	3,64	
H11A1-660-30, red, <b>660 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-670-30, red, <b>670 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-680-30, red, <b>680 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-690-30, red, <b>690 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-690-60, red, <b>690 nm</b> , 25-30 mW at 350 mA, viewing angle 60°	5,70	6,42	
H11A1-740-30, IR, <b>740 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-760-30, IR, <b>760 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-770-30, IR, <b>770 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-780-30, IR, <b>780 nm</b> , 110 mW at 500 mA, viewing angle 30°	5,70	6,42	
H11A1-850-30, IR, <b>850 nm</b> , 350 mA, viewing angle 30°	5,70	6,42	
H11A1-880-30, IR, <b>880 nm</b> , 30-40 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-905-30, IR, <b>905 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-920-30, IR, <b>920 nm</b> , 350 mA, viewing angle 30°	5,70	6,42	
H11A1-940-30, IR, <b>940 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,70	6,42	
H11A1-940-120, IR, <b>940 nm</b> , 25-30 mW at 350 mA, viewing angle 120°	5,70	6,42	
H11A1-970-30, IR, <b>970 nm</b> , 350 mA, viewing angle 30°	5,70	6,42	
<b>HIGH POWER LED 11 mm ALUMINIUM DISK PACKAGE - 1 WATT</b>	<b>EUR</b>	<b>USD</b>	
	high power LED, 11 mm diameter aluminium disk package, 1x1 mm <sup>2</sup> LED chip size. 1 Watt electrical power available viewing angles: 30°, 60° or 120°  ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
C11A1-HU-30, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, viewing angle 30°	5,55	6,25	
C11A1-HU-60, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, viewing angle 60°	5,55	6,25	
C11A1-HU-120, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, viewing angle 120°	5,55	6,25	
C11A1-HW-30, <b>white</b> , 20 cd, 350 mA, viewing angle 30°	4,98	5,61	
C11A1-HW-60, <b>white</b> , 20 cd, 350 mA, viewing angle 60°	4,98	5,61	
C11A1-HW-120, <b>white</b> , 20 cd, 350 mA, viewing angle 120°	4,98	5,61	
C11A1-HW-120-S, <b>soft white</b> , 20 cd, 350 mA, viewing angle 120°	4,98	5,61	
C11A1-HB-30, blue, <b>470 nm</b> , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	4,79	5,40	
C11A1-HB-120, blue, <b>470 nm</b> , 14 cd, 17-20 mW at 350 mA, viewing angle 120°	4,79	5,40	
C11A1-HC-30, cyan, <b>505 nm</b> , 20 cd, 15-18 mW at 350 mA, viewing angle 30°	5,55	6,25	
C11A1-HC-120, cyan, <b>505 nm</b> , 20 cd, 15-18 mW at 350 mA, viewing angle 120°	5,55	6,25	
C11A1-HG-30, green, <b>525 nm</b> , 25 cd, 13-17 mW at 350 mA, viewing angle 30°	5,26	5,93	
C11A1-HG-120, green, <b>525 nm</b> , 25 cd, 13-17 mW at 350 mA, viewing angle 120°	5,26	5,93	
C11A1-HY-30, yellow, <b>590 nm</b> , 10 cd, 8-10 mW at 350 mA, viewing angle 30°	2,73	3,07	
C11A1-HY-120, yellow, <b>590 nm</b> , 10 cd, 8-10 mW at 350 mA, viewing angle 120°	2,73	3,07	
C11A1-HR-120, red, <b>625 nm</b> , 10 cd, 20-25 mW at 350 mA, viewing angle 120°	2,73	3,07	
C11A1-660-30, red, <b>660 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	5,17	5,82	
C11A1-660-120, red, <b>660 nm</b> , 20-25 mW at 350 mA, viewing angle 120°	5,17	5,82	
C11A1-670-30, red, <b>670 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	5,17	5,82	
C11A1-670-120, red, <b>670 nm</b> , 20-25 mW at 350 mA, viewing angle 120°	5,17	5,82	
C11A1-680-30, red, <b>680 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	5,17	5,82	
C11A1-680-120, red, <b>680 nm</b> , 20-25 mW at 350 mA, viewing angle 120°	5,17	5,82	
C11A1-690-30, red, <b>690 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,82	
C11A1-690-120, red, <b>690 nm</b> , 25-30 mW at 350 mA, viewing angle 120°	5,17	5,82	
C11A1-720-60, IR, <b>720 nm</b> , 28-35 mW at 350 mA, viewing angle 60°	5,17	5,82	
C11A1-720-120, IR, <b>720 nm</b> , 28-35 mW at 350 mA, viewing angle 120°	5,17	5,82	
C11A1-760-30, IR, <b>760 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	5,17	5,82	
C11A1-770-30, IR, <b>770 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	5,17	5,82	
C11A1-780-30, IR, <b>780 nm</b> , 110 mW at 500 mA, viewing angle 30°	5,17	5,82	

C11A1-820-30, IR, <b>820 nm</b> , 38-46 mW at 350 mA, viewing angle 30°	5,17	5,82
C11A1-850-30, IR, <b>850 nm</b> , 350 mA, viewing angle 30°	5,17	5,82
C11A1-880-30, IR, <b>880 nm</b> , 30-40 mW at 350 mA, viewing angle 30°	5,17	5,82
C11A1-905-30, IR, <b>905 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,82
C11A1-920-30, IR, <b>920 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,82
C11A1-940-30, IR, <b>940 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	5,17	5,82
<b>HIGH POWER LED M3 THREAD ALUMINIUM DISK PACKAGE - 1 WATT</b>	<b>EUR</b>	<b>USD</b>
 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		
	1-9 pcs.	1-9 pcs.
M3L1-HW-60, white, 16 cd, 350 mA, viewing angle 60°	6,20	6,98
M3L1-HW-120, white, 15 cd, 350 mA, viewing angle 120°	6,20	6,98
M3L1-HU-30, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, viewing angle 30°	6,73	7,58
M3L1-HU-60, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, viewing angle 60°	6,73	7,58
M3L1-HU-120, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, viewing angle 120°	6,73	7,58
M3L1-HB-30, blue, <b>470 nm</b> , 14 cd, 17-20 mW at 350 mA, viewing angle 30°	6,02	6,78
M3L1-HB-60, blue, <b>470 nm</b> , 12 cd, 17-20 mW at 350 mA, viewing angle 60°	6,02	6,78
M3L1-HB-120, blue, <b>470 nm</b> , 10 cd, 17-20 mW at 350 mA, viewing angle 120°	6,02	6,78
M3L1-HC-120, cyan, <b>505 nm</b> , 17 cd, 15-18 mW at 350 mA, viewing angle 120°	6,73	7,58
M3L1-HG-30, green, <b>525 nm</b> , 25 cd, 13-17 mW at 350 mA, viewing angle 30°	6,46	7,28
M3L1-HG-60, green, <b>525 nm</b> , 22 cd, 13-17 mW at 350 mA, viewing angle 60°	6,46	7,28
M3L1-HG-120, green, <b>525 nm</b> , 20 cd, 13-17 mW at 350 mA, viewing angle 120°	6,46	7,28
M3L1-HY-30, yellow, <b>590 nm</b> , 10 cd, 8-10 mW at 350 mA, viewing angle 30°	3,90	4,39
M3L1-HY-60, yellow, <b>590 nm</b> , 8 cd, 8-10 mW at 350 mA, viewing angle 60°	3,90	4,39
M3L1-HY-120, yellow, <b>590 nm</b> , 7 cd, 8-10 mW at 350 mA, viewing angle 120°	3,90	4,39
M3L1-HR-30, red, <b>625 nm</b> , 10 cd, 20-25 mW at 350 mA, viewing angle 30°	3,90	4,39
M3L1-HR-120, red, <b>625 nm</b> , 7 cd, 20-25 mW at 350 mA, viewing angle 120°	3,90	4,39
M3L1-660-30, red, <b>660 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-670-30, red, <b>670 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-680-30, red, <b>680 nm</b> , 20-25 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-740-60, IR, <b>740 nm</b> , 28-35 mW at 350 mA, viewing angle 60°	6,37	7,18
M3L1-740-120, IR, <b>740 nm</b> , 28-35 mW at 350 mA, viewing angle 120°	6,37	7,18
M3L1-760-30, IR, <b>760 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-770-30, IR, <b>770 nm</b> , 28-35 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-830-30, IR, <b>830 nm</b> , 110 mW at 500 mA, viewing angle 30°	6,37	7,18
M3L1-880-30, IR, <b>880 nm</b> , 30-40 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-905-30, IR, <b>905 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-920-30, IR, <b>920 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-940-30, IR, <b>940 nm</b> , 25-30 mW at 350 mA, viewing angle 30°	6,37	7,18
M3L1-940-120, IR, <b>940 nm</b> , 25-30 mW at 350 mA, viewing angle 120°	6,37	7,18
M3L1-970-30, IR, <b>970 nm</b> , 350 mA, viewing angle 30°	6,37	7,18
<b>HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT</b>	<b>EUR</b>	<b>USD</b>
 high power LED aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology		
► PHASE OUT		
	1-9 pcs.	1-9 pcs.
RLT-WNP1000-02, white, x=.28,y=.28, 20 lm, 350 mA, 60° full angle	6,62	7,45
RLT-BNP1000-02, blue, <b>470 nm</b> , 11 lm, 350 mA, 60° full angle	5,67	6,39
RLT-GNP1000-02, green, <b>525 nm</b> , 20 lm, 350 mA, 60° full angle	6,14	6,91
<b>HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 350 mW</b>	<b>EUR</b>	<b>USD</b>
RLT-WNP600-02, white, x=.28,y=.28, 5 lm, 100 mA, 60° full angle	2,84	3,19
RLT-BNP600-02, blue, <b>470 nm</b> , 3 lm, 100 mA, 60° full angle	2,27	2,55
RLT-YUP600-02, yellow, <b>587 nm</b> , 4 lm, 100 mA, 60° full angle	1,51	1,70
<b>HIGH POWER LED 20 mm ALUMINIUM DISK PACKAGE - 1 WATT</b>	<b>EUR</b>	<b>USD</b>

	high power LED, aluminium disk package, diameter 20 mm, 1x1 mm <sup>2</sup> chip size. 1 Watt electrical power ► PHASE OUT		
		1-9 pcs.	1-9 pcs.
C20A1-HU-30, UV, <b>395-405 nm</b> , 15-20 mW at 350 mA, Vf <4.0 V, 30°	5,86	6,60	
C20A1-HB-30, blue, <b>470 nm</b> , 12-14 cd, 17-20 mW at 350 mA, Vf <4.0 V, 30°	5,67	6,39	
C20A1-HC-30, cyan, <b>505 nm</b> , 20 cd, 15-18 mW at 350 mA, Vf <4.0 V, 30°	5,86	6,60	
C20A1-HR-30, red, <b>625 nm</b> , 10 cd, 20-25 mW at 350 mA, Vf <2.8 V, 30°	3,12	3,51	
C20A1-HR-60, red, <b>625 nm</b> , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 60°	3,12	3,51	
C20A1-HR-120, red, <b>625 nm</b> , 7.0-8.5 cd, 20-25 mW at 350 mA, Vf <2.8 V, 120°	3,12	3,51	
C20A1-H650-30, red, <b>650 nm</b> , 70 mW at 350 mA, Vf <2.2 V, 30°	5,48	6,17	
C20A1-H660-30, red, <b>660 nm</b> , 20-25 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H670-30, red, <b>670 nm</b> , 90 mW at 350 mA, Vf <2.0 V, 30°	5,48	6,17	
C20A1-H680-30, red, <b>680 nm</b> , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H690-30, red, <b>690 nm</b> , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H720-30, IR, <b>720 nm</b> , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H740-30, IR, <b>740 nm</b> , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H740-60, IR, <b>740 nm</b> , 28-35 mW at 350 mA, Vf <2.5 V, 60°	5,48	6,17	
C20A1-H760-30, IR, <b>760 nm</b> , 110 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H770-30, IR, <b>770 nm</b> , 28-35 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H810-30, IR, <b>810 nm</b> , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H820-30, IR, <b>820 nm</b> , 38-46 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H850-30, IR, <b>850 nm</b> , 350 mA, Vf <3.0 V, 30°	5,48	6,17	
C20A1-H870-30, IR, <b>870 nm</b> , 350 mA, Vf <3.0 V, 30°	11,15	12,56	
C20A1-H880-30, IR, <b>880 nm</b> , 30-40 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H890-30, IR, <b>890 nm</b> , 90 mW at 350 mA, Vf <1.5 V, 30°	5,48	6,17	
C20A1-H905-30, IR, <b>905 nm</b> , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
C20A1-H940-30, IR, <b>940 nm</b> , 25-30 mW at 350 mA, Vf <2.5 V, 30°	5,48	6,17	
<b>HIGH POWER RECTANGULAR LED      3 WATT</b>	<b>EUR</b>	<b>USD</b>	
	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 mm <sup>2</sup> , height 8.32 mm, optional with 15 degree collimator lens		
	1-9 pcs.	1-9 pcs.	
R-HP803NW, white, typ. 6000 K, 55 lm at 700 mA, Ub 4.0 V, 120°	7,20	8,11	
R-HP803WW, warm white, typ. 3300 K, 45 lm at 700 mA, Ub 4.0 V, 120°	7,20	8,11	
R-HP803NO, amber, <b>590 nm</b> , 36 lm at 700 mA, Ub 3.0 V, 120°	6,35	7,15	
<b>HIGH POWER RGB LED      20 mm ALUMINIUM DISK PACKAGE - 3 x 1 WATT</b>	<b>EUR</b>	<b>USD</b>	
	high power RGB LED, aluminium disk package, diameter 20 mm, diverse wavelengths, power chip technology 1x1 mm <sup>2</sup> chip size. 3 x 1 Watt electrical power, other wavelengths on request		
	1-9 pcs.	1-9 pcs.	
C20C3-HYGB-60, <b>585 / 515 / 460 nm</b> , 8 / 9 / 3 lm, 3 x 350 mA, viewing angle 60°	5,64	6,35	
C20C3-HYRB-60, <b>585 / 620 / 460 nm</b> , 8 / 6 / 3 lm, 3 x 350 mA, viewing angle 60°	5,08	5,72	
<b>HIGH POWER RGB LED      Emitter PACKAGE - 3 POWER LED CHIPS</b>	<b>EUR</b>	<b>USD</b>	
	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		
	1-9 pcs.	1-9 pcs.	
A6-RGB-1.5, <b>620/515/460nm</b> , 5/12/4lm, 3x150mA, 1.5 W, +/- 40° 3x anode 3x cathode	4,20	4,73	
A6-RGB-3, <b>620/515/460nm</b> , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	6,50	7,32	
A6-RGB-9, <b>620/515/460nm</b> , 50/60/22lm, 3x700mA, 9.0 W, +/- 40° 3x anode 3x cathode	10,50	11,82	

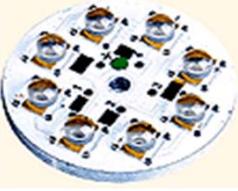
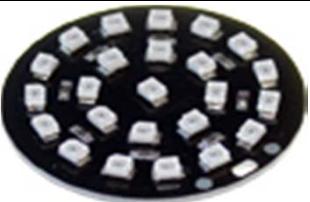
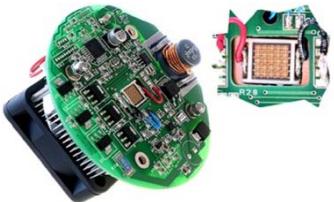
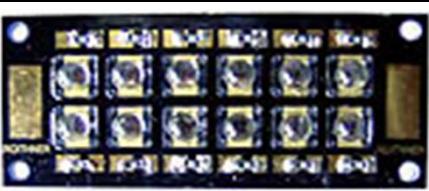
HIGH POWER RGB LED	HEXAGONAL PACKAGE - 3 POWER LED CHIPS	EUR	USD
	high power RGB LED series, hex type package 6 pins, 3 x anode, 3 x cathode viewing angle typ. 80°, 3 power ranks: 1.5 W -> 3 LED chips each 500 mW 3.0 W -> 3 LED chips each 1 W 9.0 W -> 3 LED chips each 3 W	1-9 pcs.	1-9 pcs.
H6-RGB-1.5, <b>620/515/460nm</b> , 5/12/4lm, 3x150mA, 1.5 W, +/- 40° 3x anode 3x cathode	4,70	5,29	
H6-RGB-3, <b>620/515/460nm</b> , 23/45/12lm, 3x350mA, 3.0 W, +/- 40° 3x anode 3x cathode	7,00	7,88	
H6-RGB-9, <b>620/515/460nm</b> , 50/60/22lm, 3x700mA, 9.0 W, +/- 40° 3x anode 3x cathode	11,10	12,50	
HIGH POWER RGB LED	EMITTER PACKAGE - 3 POWER LED CHIPS	EUR	USD
	high power RGB LED, emitter package	1-9 pcs.	1-9 pcs.
AR58G05B24BC-A, <b>620/515/460 nm</b> , 15/15.4/6lm, 3x350mA, 3 W, +/-40° common anode	11,70	13,18	
AR58G05B24BC-C, <b>620/515/460nm</b> , 15/15.4/6lm, 3x350mA, 3W, +/- 40° common cath.	11,70	13,18	
AR57G62B66BC-C, <b>620/515/460 nm</b> , 4.5/10/3 lm, 3 x 150 mA, 1.5 W, +/- 40°	7,18	8,09	
HIGH POWER RGB LED	HEXAGONAL PACKAGE - 3 POWER LED CHIPS	EUR	USD
	high power RGB LED, hexagonal aluminium PCB package	1-9 pcs.	1-9 pcs.
H4-AR58G05B24BC-C, <b>620/515/460nm</b> , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common -	12,20	13,74	
H4-AR58G05B24BC-A, <b>620/515/460nm</b> , 15/15.4/6 lm, 3x350mA, 3 W, +/- 40°, common +	12,20	13,74	
H4-AR57G62B66BC-C, <b>620/515/460nm</b> , 4.5/10/3 lm, 3x150mA, 1.5 W, +/- 40°, common -	7,72	8,69	

## HIGH POWER LEDs - OPTICS

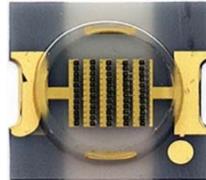
	diverse optics for high power LEDs  material: polycarbonate designed for Luxeon	1-49 pcs.	1-49 pcs.
<b>10048</b> , 4 degree half angle optic	4,12	4,64	
<b>10049</b> , 4 x 25 degree half angles optic	4,12	4,64	
<b>10003</b> , 6 degree half angle optic	3,14	3,54	
<b>10003/15</b> , 15 degree half angle optic	3,14	3,54	
<b>10003/25</b> , 25 degree half angle optic	3,14	3,54	
<b>10003/L25</b> , 6 x 25 degree half angles line optic	3,14	3,54	
NARROW BEAM OPTIC FOR HIGH POWER LEDS (SINGLE Emitter)	EUR	USD	
	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%	1-9 pcs.	1-9 pcs.
<b>10158</b> , 2 degree half angle spot optic, diameter 60 mm, height 11mm, polycarbonate	17,93	20,19	
<b>10145</b> , spreader lens for 10158 optic	1,22	1,37	
<b>10146</b> , holder for 10158 optic	0,32	0,36	
LENS HOLDERS SERIES 100xx FOR HIGH POWER LEDS	EUR	USD	

	diverse lens holders for 1, 3 and 5 watt power LEDs		
		1-49 pcs.	1-49 pcs.
<b>10012</b> , LED optic holder, round, black, for 1 watt LED		0,68	0,77
<b>10026</b> , LED optic holder, hexagonal, black, for 1 watt LED		0,68	0,77
<b>10043</b> , LED optic holder, hexagonal, black, for 3/5 watt LED		0,68	0,77
<b>10045</b> , LED optic holder, hexagonal, clear, for 3/5 watt LED		0,68	0,77
<b>10065</b> , 4° optic holder for 1W Luxeon, white, 17.15 x 22.7 mm		0,87	0,98
<b>10076</b> , 4° optic holder for 3W / 5W Luxeon, black, 16.15 x 21.7 mm		0,87	0,98
<b>10077</b> , 4° optic holder for 3W / 5W Luxeon, white, 16.15 x 21.7 mm		0,87	0,98
<b>SPECIAL OPTIC FOR HIGH POWER LED FIBERCOUPLING</b>		EUR	USD
	special focusing optic designed for coupling light of power LEDs into a 6 mm NA 0.48 fiber bundle  material: polycarbonate		
		1-49 pcs.	1-49 pcs.
<b>10034</b> , fiber coupling optic, designed for 8-12 mm, NA 0.50 fiber bundles		3,86	4,35
<b>REFLECTORS FOR HIGH POWER LEDs</b>		EUR	USD
	metallized reflectors, material polycarbonate available for power LEDs with lambertian lens design and for Acriche LEDs  recommended optic for narrow beam generation		
		1-49 pcs.	1-49 pcs.
<b>CLP17CR</b> , 6° reflector for lambertian LED, metallized polycarbonate 17.5 x 10.7mm [DxH]		2,33	2,62
<b>CLP20CR</b> , 6° reflector for lambertian LED, metallized polycarbonate 20.5 x 15.7mm [DxH]		2,33	2,62
<b>CLP23CR</b> , 20° reflector for Acriche LED, metallized polycarbonate 23.0 x 13.3mm [DxH]		3,54	3,99
<b>CLP28ACR</b> , 12° reflector for Acriche LED, metallized polycarbonate 27.5 x 18.3mm [DxH]		3,54	3,99
<b>HIGH POWER LED ARRAYS</b>			
	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		
		1-9 pcs.	1-9 pcs.
FAT-655-40, <b>655 nm</b> , 150 mW at 250 mA, 12.9 V, tr/tf 80/100 ns, 40°		63,00	70,95
FAT-685-40, <b>685 nm</b> , 250 mW at 250 mA, 12.4 V, tr/tf 80/100 ns, 40°		63,00	70,95
FAT-800-40, <b>800 nm</b> , 350 mW at 350 mA, 10 V, tr/tf 80/100 ns, 40°		46,20	52,03
FAT-870-40, <b>870 nm</b> , 350 mW at 350 mA, 10 V, tr/tf 80/100 ns, 40°		46,20	52,03
<b>HIGH POWER LED ARRAY 6 CHIPS JUMBO PACKAGE</b>		EUR	USD
	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		
		1-9 pcs.	1-9 pcs.
ELJ-595-225B, <b>590 nm</b> , 12 mW at 100 mA, 15°, M10x1.5		26,50	29,84
ELJ-630-215, <b>630 nm</b> , 58 mW at 100 mA, 12°, M10x1.5		26,50	29,84
ELJ-810-228B, <b>810 nm</b> , 225 mW at 250 mA, 20°, M10x1.5		26,50	29,84
<b>HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY</b>		EUR	USD

	high power LED series, 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy		
		1-99 pcs.	1-99 pcs.
10W43-HCA-H, white, 13-15 cd at 80 mA, Vf <4.0 V, 60°		2,80	3,15
10W43-HCA-4P, white, 20-25 lm at 80 mA, Vf <3.6 V, 50°		2,80	3,15
10B43-HCA-H, blue, <b>470 nm</b> , 8-10 cd at 80 mA, Vf <4.0 V, 60°		2,68	3,02
10C43-HCA-H, cyan, <b>505 nm</b> , 9-12 cd at 80 mA, Vf <4.0 V, 60°		2,88	3,24
10G43-HCA-H, green, <b>525 nm</b> , 15-18 cd at 80 mA, Vf <3.8 V, 60°		2,88	3,24
10Y43-HCA-H, yellow, <b>590 nm</b> , 7-8 cd at 80 mA, Vf <2.2 V, 60°		1,48	1,67
<b>HIGH POWER LED ARRAY 4 PARALLEL CHIPS 10 mm EPOXY</b>		<b>EUR</b>	<b>USD</b>
	high power LED series 4 parallel chips inside, If: 80 mA, 10 mm clear epoxy copper lead frame		
		1-99 pcs.	1-99 pcs.
RLS-10W2P4D, white, 22 cd at 80 mA, Vf <3.4 V, 8-10°, 10 mm epoxy		3,64	4,10
10W4DHCB-H, white, 13-15 cd at 80 mA, Vf <4.0 V, 180°		2,92	3,29
10B4DHCB-H, blue, <b>470 nm</b> , 8-10 cd at 80 mA, Vf <4.0 V, 180°		2,80	3,15
10C4DHCB-H, cyan, <b>505 nm</b> , 9-11 cd at 80 mA, Vf <4.0 V, 180°		3,00	3,38
10G4DHCB-H, green, <b>525 nm</b> , 15-18 cd at 80 mA, Vf <3.8 V, 180°		3,00	3,38
10Y4DHCB-H, yellow, <b>590 nm</b> , 8-9 cd at 80 mA, Vf <2.2 V, 180°		1,60	1,80
10R4DHCB-H, red, <b>625 nm</b> , 7-8 cd at 80 mA, Vf <2.2 V, 180°		1,60	1,80
<b>HIGH POWER LED ARRAY 4 PARALLEL CHIPS square EPOXY</b>		<b>EUR</b>	<b>USD</b>
	high power LED series 4 parallel chips inside, If: 80 mA, clear epoxy package base size: 7.6 x 7.6 mm²		
		1-99 pcs.	1-99 pcs.
5W4S2HCA, white, 5-8 cd at 80 mA, Vf <4.0 V, +/-90°		1,68	1,89
5B4S2HCA, blue, <b>470 nm</b> , 3-6 cd at 80 mA, Vf <4.0 V, +/-90°		1,39	1,57
5G4S2HCA, green, <b>528 nm</b> , 7-10 cd at 80 mA, Vf <4.0 V, +/-90°		1,81	2,04
5Y4S2HCA, yellow, <b>590 nm</b> , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°		0,86	0,97
5R4S2HCA, red, <b>622 nm</b> , 3-6 cd at 80 mA, Vf <2.2 V, +/-90°		0,83	0,94
<b>HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE</b>		<b>EUR</b>	<b>USD</b>
	high power LED array aluminium plate package with 3 x 1 mm² power chips onboard. LED chips connected in parallel.  Size: 35 mm diameter		
		1-9 pcs.	1-9 pcs.
35L3-HW-60, white, 20 cd at 1050 mA, Vf <4.0 V, 60°		17,50	19,71
35L3-HU-60, UV, <b>395-405 nm</b> , 3 x 16 mW at 1050 mA, Vf <4.0 V, 60°		19,50	21,96
35L3-HB-60, blue, <b>470 nm</b> , 28 cd, 3 x 18 mW at 1050 mA, Vf <4.0 V, 60°		16,90	19,03
35L3-HC-60, cyan, <b>505 nm</b> , 36 cd, 3 x 17 mW at 1050 mA, Vf <4.0 V, 60°		19,50	21,96
35L3-HG-60, green, <b>525 nm</b> , 28 cd, 3 x 15 mW at 1050 mA, Vf <3.8 V, 60°		18,50	20,83
35L3-HY-60, amber, <b>590 nm</b> , 24 cd, 3 x 10 mW at 1050 mA, Vf <2.8 V, 60°		9,50	10,70
35L3-HR-60, red, <b>625 nm</b> , 20 cd, 3 x 22 mW at 1050 mA, Vf <2.8 V, 60°		9,50	10,70
35L3-H850-60, IR, <b>850 nm</b> , xxx mW at 1500 mA, Vf <2.5 V, 60°		18,50	20,83
35L3-H880-60, IR, <b>880 nm</b> , 3 x 45 mW at 1500 mA, Vf <2.4 V, 60°		18,50	20,83
35L3-H940-60, IR, <b>940 nm</b> , 3 x 40 mW at 1500 mA, Vf <2.2 V, 60°		18,50	20,83
<b>HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE</b>		<b>EUR</b>	<b>USD</b>

	high power LED array aluminium plate package 8 x 1 mm <sup>2</sup> power chips onboard. total 8 W electrical power size: 38 mm diameter		
		1-9 pcs.	1-9 pcs.
C38A8-HU-30, UV, <b>395-405 nm</b> , 8 x 16 mW, 4 x 350 mA, Uf: 4 x typ. 7.6 V, 30°	38,00	42,79	
C38A8-HB-30, blue, <b>470 nm</b> , 8 x 4.5 lm, 4 x 350 mA, Uf: 4 x typ. 7.0 V, 30°	32,50	36,60	
C38A8-HC-30, cyan, <b>505 nm</b> , 8 x 10 lm, 4 x 350 mA, Uf: 4 x typ. 7.2 V, 30°	35,50	39,98	
C38A8-HY-30, amber, <b>590 nm</b> , 8 x 10 lm, 4 x 350 mA, Uf: 4 x typ. 4.1 V, 30°	23,00	25,90	
C38A8-H850-30, IR, <b>850 nm</b> , 8 x 40 mW, 4 x 300 mA, Uf: 4 x typ. 2.9 V, 30°	40,50	45,61	
C38A8-H880-30, IR, <b>880 nm</b> , 8 x 40 mW, 4 x 300 mA, Uf: 4 x typ. 2.8 V, 30°	40,50	45,61	
<b>HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE</b>		<b>EUR</b>	<b>USD</b>
	high power LED array aluminium plate package 24 x 3528 SMD LEDs onboard.  size: 42.1 mm diameter		
L2X2-V4YL, <b>395 nm</b> , 24 x 5 mW, 160 mA, Uf: 12 VDC, 120°	11,10	12,50	
L2X2-V6YL, <b>415 nm</b> , 24 x 5 mW, 160 mA, Uf: 12 VDC, 120°	9,65	10,87	
L2X2-I3CA, <b>850 nm</b> , 24 x 20 mW/sr, 400 mA, Uf: 6 VDC, 120°	7,25	8,16	
L2X3-I3CA, <b>850 nm</b> , 24 x 20 mW/sr, 130 mA, Uf: 12 VDC, 120°	7,25	8,16	
L2X2-I5LA, <b>940 nm</b> , 24 x 20 mW/sr, 400 mA, Uf: 6 VDC, 120°	6,20	6,98	
L2X3-I5LA, <b>940 nm</b> , 24 x 20 mW/sr, 130 mA, Uf: 12 VDC, 120°	6,20	6,98	
<b>MULTI WATT LED ENGINES</b>		<b>EUR</b>	<b>USD</b>
	ULTRA high power LED light engines • USB/serial PC Interface for monitoring • software included • ready to operate • up to 1000lm • thermal protection system		
1-9 pcs.	1-9 pcs.		
UNO18 AIR LE WHITE, <b>white</b> , 18W, air cooled light engine, white	169,60	190,99	
UNO18 AIR LE NIR, <b>870 nm</b> , 18W, air cooled light engine, near infrared	169,60	190,99	
<b>SUPER HIGH POWER LED ARRAY ALUMINIUM-PCB PACKAGE</b>		<b>EUR</b>	<b>USD</b>
	high power LED array, metal PCB package with 12 parallel 1 mm <sup>2</sup> power chips, 30°.  Size: 72 x 32 mm <sup>2</sup>		
1-5 pcs.	1-5 pcs.		
RLT-MIL470-12W-30, <b>white</b> , 12 power chips, 4.2A, 4.7V, 30°	76,27	85,89	
RLT-MIL505-12C-30, cyan, <b>505 nm</b> , 12 power chips, 12 x 18 mW at 4.2A, 4.5V, 30°	80,08	90,19	
RLT-MIL590-12A-30, amber, <b>590 nm</b> , 12 power chips, 12 x 10 mW at 4.2A, 3.3V, 30°	50,72	57,12	
RLT-MIL630-12R-30, red, <b>630 nm</b> , 12 power chips, 12 x 24 mW at 4.2A, 3.3V, 30°	50,72	57,12	
RLT-MIL780-12I-30, IR, <b>780 nm</b> , 12 power chips, 12 x 100 mW at 4.2A, 2.5V, 30°	91,53	103,07	
RLT-MIL810-12I-30, IR, <b>810 nm</b> , 12 power chips, 12 x 150 mW at 4.2A, 2.5V, 30°	91,53	103,07	
RLT-MIL850-12I-30, IR, <b>850 nm</b> , 12 power chips, 12 x 160 mW at 4.2A, 2.5V, 30°	91,53	103,07	
RLT-MIL880-12I-30, IR, <b>880 nm</b> , 12 power chips, 12 x 120 mW at 4.2A, 2.5V, 30°	91,53	103,07	
RLT-MIL940-12I-30, IR, <b>940 nm</b> , 12 power chips, 12 x 120 mW at 4.2A, 2.3V, 30°	91,53	103,07	
<b>HIGH POWER LED ARRAY ALUMINIUM PLATE PACKAGE</b>		<b>EUR</b>	<b>USD</b>
	high power LED array 3 x 3 power LED chips on aluminium plate, size 38.3 x 39.7 mm <sup>2</sup> , drive current typ. 1050 mA, electrical power typ. 10 W		
1-9 pcs.	1-9 pcs.		
RLT-BA1000-02, 3x3 array, <b>470 nm</b> , 100 lm, 1.05 A at 10.2 V, 60°	64,00	72,07	

RLT-GA1000-02, 3x3 array, <b>525 nm</b> , 140 lm, 1.05 A at 10.5 V, 60°	62,00	69,82
<b>HIGH POWER LED ARRAY METAL PLATE PACKAGE</b>	<b>EUR</b>	<b>USD</b>
		
	1-9 pcs.	1-9 pcs.
ELM-875-8x24-2, IR, <b>870 nm</b> , 720 mW at 500 mA, Uf: 7.0 V, 25°, size: 24 x 8 x 5.5 mm³	72,00	81,08
ELM-910-927, IR, <b>910 nm +/-10 nm</b> , 390 mW at 500 mA, 20°, size: 24 x 8 x 5.5 mm³	72,00	81,08
<b>HIGH POWER LED ARRAY METAL PLATE PACKAGE</b>	<b>EUR</b>	<b>USD</b>
	high power LED arrays for illumination purposes	
	1-9 pcs.	1-9 pcs.
ELA-920-22x60, IR, <b>920 nm</b> , 2 x 10 emitters, 22 x 60 mm², 1 W	92,22	103,85
<b>HIGH POWER LED ARRAY 4 POWER CHIPS TO-3 PACKAGE</b>	<b>EUR</b>	<b>USD</b>
	high power LED array TO-3 package with <b>4 power LED chips</b> inside, 2 x 2 matrix	
	diverse wavelengths available on request	
	1-9 pcs.	1-9 pcs.
TO3A4-H390-180, UV, <b>382-390 nm</b> , 200 mW at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	63,00	70,95
TO3A4-HU-180, UV, <b>395-405 nm</b> , 65 mW at 1.4 A, Uf: 4.5 V, +/-90°, TO-3	23,80	26,80
TO3A4-HB-180, blue, <b>470 nm</b> , 90 mW at 1.4 A, Uf: 4.4 V, +/-90°, TO-3	19,40	21,85
TO3A4-HW-180, white, 70 cd at 1.4 A, Uf: 4.1 V, +/-90°, TO-3	21,20	23,87
TO3A4-HY-180, amber, <b>590 nm</b> , 160 mW at 1.4 A, Uf: 2.6 V, +/-90°, TO-3	14,40	16,22
TO3A4-HR-180, red, <b>630 nm</b> , 110 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	14,40	16,22
TO3A4-H650-180, red, <b>650 nm</b> , 130 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	28,60
TO3A4-H660-180, red, <b>660 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H670-180, red, <b>670 nm</b> , 200 mW at 1.4 A, Uf: 2.5 V, +/-90°, TO-3	25,40	28,60
TO3A4-H680-180, red, <b>680 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H690-180, red, <b>690 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H720-180, IR, <b>720 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H740-180, IR, <b>740 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H760-180, IR, <b>760 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H770-180, IR, <b>770 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H780-180, IR, <b>780 nm</b> , 270 mW at 1.4 A, Uf: 2.2 V, +/-90°, TO-3	25,40	28,60
TO3A4-H810-180, IR, <b>810 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H820-180, IR, <b>820 nm</b> , 260 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H880-180, IR, <b>880 nm</b> , 200 mW at 1.2 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H890-180, IR, <b>890 nm</b> , 200 mW at 1.4 A, Uf: 1.9 V, +/-90°, TO-3	25,40	28,60
TO3A4-H905-180, IR, <b>905 nm</b> , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	28,60
TO3A4-H940-180, IR, <b>940 nm</b> , 150 mW at 1.2 A, Uf: 1.7 V, +/-90°, TO-3	25,40	28,60
<b>HIGH POWER LED ARRAY 12 POWER CHIPS TO-66 PACKAGE</b>	<b>EUR</b>	<b>USD</b>
	high power LED array TO-66 package with <b>12 power LED chips</b> inside, 4 x 3 matrix, white	
	1-9 pcs.	1-9 pcs.
LED47W-66-12100, +/-60°, white, +/-60°, TO-66	151,97	171,14
<b>HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE</b>	<b>EUR</b>	<b>USD</b>

	high power LED array TO-66 package with <b>16 power LED chips</b> inside, 4 x 4 matrix, white		
LED47W-66-16100, <b>white</b> , 80 lm at 1.2 A, Uf: 13 V, +/-60°, TO-66	1-9 pcs.	185,54	208,94
<b>HIGH POWER LED ARRAY 16 POWER CHIPS TO-66 PACKAGE</b>		<b>EUR</b>	<b>USD</b>
	high power LED array TO-66 package with <b>16 power LED chips</b> inside, 4 x 4 matrix, flat glass window, hermetic sealed		
LED365V-66-16100-110, <b>365 nm</b> , 4 W at 2 A, Uf: 14 V, +/-52°, TO-66	1-9 pcs.	445,00	501,12
LED385V-66-16100-110, <b>385 nm</b> , 8.5 W at 2 A, Uf: 14 V, +/-52°, TO-66		288,00	324,32
LED395V-66-16100-110, <b>395 nm</b> , 8 W at 2 A, Uf: 15.5 V, +/-55°, TO-66		252,00	283,78
LED405V-66-16100-110, <b>405 nm</b> , +/-60°, TO-66		252,00	283,78
	high power LED array TO-66 package with <b>16 power LED chips</b> inside, 4 x 4 matrix, silicone + epoxy lens		
LED385-66-16100, <b>UV, 385 nm</b> , +/-60°, TO-66	1-9 pcs.	312,40	351,80
LED415-66-16100, <b>UV, 415 nm</b> , +/-60°, TO-66		o.r.	o.r.
LED470-66-16100, <b>blue, 470 nm</b> , 420 mW at 1.2 A, Uf: 14 V, +/-60°, TO-66		180,24	202,97
LED660N-66-16100, <b>red, 660 nm</b> , 2.8 W at 1.4A, Uf: 9.2 V, +/-60°, TO-66		113,22	127,50
LED680-66-16100, <b>red, 680 nm</b> , 450 mW at 1.4 A, Uf: 7.7 V, +/-60°, TO-66		189,08	212,93
LED720-66-16100, <b>IR, 720 nm</b> , 550 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66		189,08	212,93
LED730-66-16100, <b>IR, 730 nm</b> , 600 mW at 1.4 A, Uf: 7.4 V, +/-60°, TO-66		o.r.	o.r.
LED735-66-16100, <b>IR, 735 nm</b> , +/-60°, TO-66		172,29	194,02
LED740-66-16100, <b>IR, 740 nm</b> , 450 mW at 1.4 A, Uf: 5.5 V, +/-60°, TO-66		172,29	194,02
LED780-66-16100, <b>IR, 780 nm</b> , 2.8 W at 3.2 A, Uf: 8.0 V, +/-60°, TO-66		172,29	194,02
LED790-66-16100, <b>IR, 790 nm</b> , +/-60°, TO-66		166,10	187,05
LED810-66-16100, <b>IR, 810 nm</b> , 900 mW at 1.4 A, Uf: 6.8 V, +/-60°, TO-66		166,10	187,05
LED840-66-16100, <b>IR, 840 nm</b> , +/-60°, TO-66		166,10	187,05
LED850-66-16100, <b>IR, 850 nm</b> , +/-60°, TO-66		132,53	149,24
LED870-66-16100, <b>IR, 870 nm</b> , +/-60°, TO-66		132,53	149,24
LED920-66-16100, <b>IR, 920 nm</b> , 650 mW at 2.0 A, Uf: 5.5 V, +/-60°, TO-66		90,12	101,49
LED940-66-16100, <b>IR, 940 nm</b> , 1000 mW at 2.4 A, +/-60°, TO-66		90,12	101,49
LED950-66-16100, <b>IR, 950 nm</b> , 750 mW at 2.0 A, Uf: 5.5 V, +/-60°, TO-66		90,12	101,49
<b>HIGH POWER LED ARRAY 60 CHIPS CERAMIC SMD PACKAGE</b>		<b>EUR</b>	<b>USD</b>
	high power LED array AlN ceramic package with <b>60 chips onboard</b> , clear silicone mold window, UV resistant  size: 18 x 14 x 1.5 mm³ --> phase out		
SMAL850, <b>850 nm</b> , 1.1 W at 0.8 A, 5.5 W at 4 A pulse, 60 chips, 18x14 mm² SMD ceramic	1-9 pcs.	124,58	140,29
<b>HIGH POWER UVLED ARRAY 60 CHIPS TO-66 GLASS WINDOW</b>		<b>EUR</b>	<b>USD</b>
	TO-66 high power UVLED array flat glass window 60 chips array inside (6x10 chips on a 50 mm² footprint) 365 nm - 435 nm available		
LED365-66-60-110, <b>365 nm</b> , 80 mW at 200 mA, TO-66, 60 chips, flat glass window	1-9 pcs.	263,29	296,50
LED375-66-60-110, <b>375 nm</b> , 150 mW at 200 mA, TO-66, 60 chips, flat glass window		263,29	296,50
LED385-66-60-110, <b>385 nm</b> , 150 mW at 240 mA, TO-66, 60 chips, flat glass window		263,29	296,50
LED395-66-60-110, <b>395 nm</b> , 240 mW at 240 mA, TO-66, 60 chips, flat glass window		263,29	296,50

LED405-66-60-110, <b>405 nm</b> , 300 mW at 400 mA, TO-66, 60 chips, flat glass window	252,69	284,56
LED415-66-60-110, <b>415 nm</b> , 300 mW at 240 mA, TO-66, 60 chips, flat glass window	252,69	284,56
LED420-66-60-110, <b>420 nm</b> , 550 mW at 400 mA, TO-66, 60 chips, flat glass window	252,69	284,56
LED430-66-60-110, <b>430 nm</b> , 550 mW at 400 mA, TO-66, 60 chips, flat glass window	252,69	284,56
LED435-66-60-110, <b>435 nm</b> , TO-66, 60 chips, flat glass window	252,69	284,56
LEDW47-66-60-110, <b>white</b> , 13 cd at 240 mA, TO-66, flat glass window	199,68	224,86
<b>HIGH POWER LED ARRAY 60 CHIPS TO-66 SILICONE/EPOXY RESIN</b>	<b>EUR</b>	<b>USD</b>
		
TO-66 high power UVLED array Silicone/Epoxy Resin 60 chips array inside (6x10 chips on a 50 mm <sup>2</sup> footprint) 365 nm - 1550 nm available		
	1-9 pcs.	1-9 pcs.
LED365-66-60, <b>365 nm</b> , 80 mW at 200 mA, TO-66, 60 chips, silicone resin	197,91	222,87
LED375-66-60, <b>375 nm</b> , 150 mW at 200 mA, TO-66, 60 chips, silicone resin	197,91	222,87
LED385-66-60, <b>385 nm</b> , 150 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	222,87
LED395-66-60, <b>395 nm</b> , 250 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	222,87
LED405-66-60, <b>405 nm</b> , 310 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	222,87
LED420-66-60, <b>420 nm</b> , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	222,87
LED430-66-60, <b>430 nm</b> , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	222,87
LED435-66-60, <b>435 nm</b> , 550 mW at 400 mA, TO-66, 60 chips, silicone / epoxy resin	197,91	222,87
LED450-66-60, <b>450 nm</b> , 40 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	169,14
LED470-66-60, <b>470 nm</b> , 4.5 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	150,55	169,54
LEDW47-66-60, <b>white</b> , 13 cd at 240 mA, TO-66, silicone / epoxy resin	185,54	208,94
LED505-66-60, <b>505 nm</b> , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	180,24	202,97
LED525-66-60, <b>525 nm</b> , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	180,24	202,97
LED530-66-60, <b>530 nm</b> , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	179,00	201,58
LED550-66-60, <b>540 nm</b> , 210 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	443,51	499,45
LED565-66-60, <b>565 nm</b> , 1.25 cd 8 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	58,31	65,66
LED570-66-60, <b>570 nm</b> , 7 cd 36 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	109,91	123,77
LED590-66-60, <b>590 nm</b> , 60 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	115,81
LED620-66-60, <b>620 nm</b> , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	115,81
LED630-66-60, <b>630 nm</b> , 7 cd 140 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	115,81
LED645-66-60, <b>645 nm</b> , 7 cd 120 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	102,84	115,81
LED660-66-60, <b>660 nm</b> , 3.5 cd 180 mW at 240 mA, TO-66, 60 chips ► PHASE OUT	38,10	42,91
LED660N-66-60, <b>660 nm</b> , 62.8 cd 2.4 W at 1.2 A, TO-66, 60 chips, silicone / epoxy resin	93,30	105,07
LED670-66-60, <b>670 nm</b> , 450 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	190,84	214,91
LED680-66-60, <b>680 nm</b> , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	194,02
LED690-66-60, <b>690 nm</b> , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	194,02
LED700-66-60, <b>700 nm</b> , 300 mW at 240 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	194,02
LED720-66-60, <b>720 nm</b> , 550 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	172,29	194,02
LED735-66-60, <b>735 nm</b> , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	169,14
LED740-66-60, <b>740 nm</b> , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	169,14
LED750-66-60, <b>750 nm</b> , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	169,14
LED760-66-60, <b>760 nm</b> , 1 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	169,14
LED780-66-60, <b>780 nm</b> , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	150,20	169,14
LED790-66-60, <b>790 nm</b> , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	163,17
LED810-66-60, <b>810 nm</b> , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	163,17
LED830-66-60, <b>830 nm</b> , 1.0 W at 600 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	163,17
LED840-66-60, <b>840 nm</b> , TO-66, 60 chips, silicone / epoxy resin	144,90	163,17
LED850-66-60, <b>850 nm</b> , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	135,31
LED870-66-60, <b>870 nm</b> , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	135,31
LED880-66-60, <b>880 nm</b> , 1.5 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	120,16	135,31
LED890-66-60, <b>890 nm</b> , 0.85 W at 800 mA, TO-66, 60 chips, silicone / epoxy resin	109,91	123,77
LED910-66-60, <b>910 nm</b> , 600 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	144,90	163,17
LED940-66-60, <b>940 nm</b> , 1.2 W at 0.8 A, 7W at 5A, TO-66, 60 chips, silicone / epoxy resin	81,64	91,94
LED950-66-60, <b>950 nm</b> , xxx mW at xxx mA, TO-66, 60 chips, silicone / epoxy resin	81,64	91,94
LED970-66-60, <b>970 nm</b> , 500 mW at 800 mA, TO-66, 60 chips, silicone / epoxy resin	97,19	109,45

LED980-66-60, <b>980 nm</b> , 150 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	116,63	131,34
LED990-66-60, <b>990 nm</b> , 100 mW at 600 mA, 6.5V, TO-66, 60 chips, silicone / epoxy resin	208,00	234,23
LED1050-66-60, <b>1050 nm</b> , 120 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	411,79
LED1070-66-60, <b>1070 nm</b> , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	411,79
LED1200-66-60, <b>1200 nm</b> , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	411,79
LED1300-66-60, <b>1300 nm</b> , 140 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	411,79
LED1450-66-60, <b>1450 nm</b> , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	411,79
LED1550-66-60, <b>1550 nm</b> , 60 mW at 600 mA, TO-66, 60 chips, silicone / epoxy resin	365,67	411,79

further wavelengths available on request

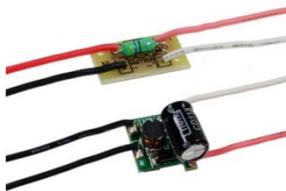
## HEAT SINKS FOR TO66 HIGH POWER LEDs

	EUR	USD
 heat sink 47 x 20 mm for TO66 high power LEDs	1-9 pcs.	1-9 pcs.
Heat Sink 47x20, for TO66, black aluminium, 47.5 x 20 mm, 54 g	9,33	10,50
 heat sink 47 x 10 mm, 27 g	1-9 pcs.	1-9 pcs.
Heat Sink 47x10, for TO66, black aluminium, 47.5 x 10 mm, 27 g	6,15	6,93
 thermal grease recommended for high power LED arrays in TO66 and TO3 packages	1-9 pcs.	1-9 pcs.
Thermal Grease, ST-700 10% AgOx, TC: >7.5 W/mK, 1 g	1,27	1,43

## OPTICS FOR TO66 HIGH POWER LEDs

	EUR	USD
 aspheric glass LED optic 18 mm aperture compatible with TO66 high power LED package	1-9 pcs.	1-9 pcs.
LED-OPTIC-18, aspheric glass lens, 18 mm aperture, for TO66 LED, +/-30°, f=13.5 mm	17,38	19,58
 aspheric glass LED optic 12 mm aperture compatible with TO66 high power LED package with flat epoxy mold	1-9 pcs.	1-9 pcs.
LED-OPTIC-12, aspheric glass lens, 12 mm aperture, for TO-66 LED, +/-30°, f=12.0 mm	17,38	19,58
 plastic LED optic/reflector compatible with TO66 high power LED package	1-9 pcs.	1-9 pcs.
LENS-13, plastic lens/reflector for TO66 high power LED, +/-15°	32,00	36,04

# ELECTRONICS FOR LEDS

LED Tester	EUR	USD
 <p><b>compact handheld LED Tester</b> 2, 5, 10, 20, 30, 50, 70, 150 mA selectable suitable for standard and piranha LEDs <b>battery included</b></p>	1-49 pcs.	1-49 pcs.
LED Tester, 2...150 mA, 80 x 55 x 22 mm <sup>3</sup> , 75 g, battery included	9,90	11,15
DRIVERS FOR LEDS, CW MODE	EUR	USD
 <p><b>Drivers for LEDs</b> - constant current logic - easy to install - small size</p>	1-5 pcs.	1-5 pcs.
LLP20, output <b>20-30 mA</b> , input 1.5 VDC, for 1-5 LEDs (Vf=3.0 V), 21x11 mm	2,48	2,79
CDDL350, output <b>350 mA</b> , 12 - 24 V, input 7-30 VDC, 18x13 mm	3,90	4,39
CDDL700, output <b>700 mA</b> , 12 - 24 V, input 7-30 VDC, 18x13 mm	3,90	4,39

# POWER SUPPLIES FOR HIGH POWER LEDS

PTDCC constant current drivers	EUR	USD
 <p>Constant current driver for high power LEDs - <b>Supply voltage 12 - 24 VDC</b> - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347</p>	1-9 pcs.	1-9 pcs.
PTDCC/S350/12-24, <b>350 mA</b> , 12 - 24 VDC, 6 W, 30 x 14 x 8 mm <sup>3</sup>	22,55	25,39
PTDCC/S700/12-24, <b>700 mA</b> , 12 - 24 VDC, 6 W, 30 x 14 x 8 mm <sup>3</sup>	22,55	25,39
 <p>Constant current driver for high power LEDs - <b>Supply voltage 95 -240 VAC</b> - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347</p>	1-9 pcs.	1-9 pcs.
PTDCC/3/350, <b>350 mA</b> , 95 - 240 VAC, 3 W, 40 x 42 x 21 mm <sup>3</sup>	13,93	15,69
PTDCC/10/U/350, <b>350mA</b> , 95-240VAC, 8 W, 34x115x19mm <sup>3</sup> , <b>complies UL1310 -&gt; USA</b>	23,25	26,18
PTDCC/10/500, <b>500 mA</b> , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm <sup>3</sup>	19,45	21,90
PTDCC/10/700, <b>700 mA</b> , 95 - 240 VAC, 9 W, 34 x 115 x 19 mm <sup>3</sup>	20,65	23,36
Multipower15, <b>350, 500, 700 mA</b> , 220 - 240 VAC, 15 W, 34 x 115 x 19 mm <sup>3</sup>	22,90	25,79
 <p>Constant current driver for high power LEDs - <b>Supply voltage 220 -240 VAC</b> - DC constant current output - wide output current range 200 - 950 mA - <b>output current selectable by DIP switch</b> - CE certified, complies EN 61347</p>	1-9 pcs.	1-9 pcs.
Multipower30, <b>200-950 mA</b> , 220 - 240 VAC, 30 W, 103 x 67 x 30 mm <sup>3</sup>	35,40	39,86
 <p>Constant current driver for high power LEDs - <b>Supply voltage 220 -240 VAC</b> - DC constant current output - Thermal overload protection - Short circuit protection - CE certified, complies EN 61347</p>	1-9 pcs.	1-9 pcs.
PTDCC/15/350, <b>350 mA</b> , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm <sup>3</sup>	26,90	30,29
PTDCC/15/500, <b>500 mA</b> , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm <sup>3</sup>	27,35	30,80

PTDCC/15/700, <b>700 mA</b> , 220 - 240 VAC, 17 W, 38 x 123 x 21 mm <sup>3</sup>	28,55	32,15
		
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	1-9 pcs.	1-9 pcs.

PTDCCL/10/350, <b>350 mA</b> , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm <sup>3</sup>	19,80	22,30
PTDCCL/10/700, <b>700 mA</b> , 95 - 240 VAC, 10 W, 22 x 145 x 22 mm <sup>3</sup>	23,80	26,80

## LEDS - INDUSTRIAL ILLUMINATION

IDLT series	EUR	USD
		
industrial series high power LED array alu PCB design, diameter 55 mm  brightness up to 1200 lm	1-5 pcs.	1-5 pcs.
IDLT018-CW3, <b>white</b> , 5000-10000 K, 220 lm, +/- 75°, If = 320 mA, Uf = 9.0 - 11.0 V	6,85	7,71
IDLT018-CW6, <b>white</b> , 5000-10000 K, 430 lm, +/- 75°, If = 640 mA, Uf = 9.0 - 11.0 V	10,44	11,76
IDLT018-CW9, <b>white</b> , 5000-10000 K, 720 lm, +/- 75°, If = 960 mA, Uf = 9.0 - 11.0 V	14,35	16,16
IDLT018-WW3, <b>warm white</b> , 2700-4500 K, 200 lm, +/- 75°, If=320mA, Uf = 9.0 - 11.0 V	6,85	7,71
IDLT018-WW6, <b>warm white</b> , 2700-4500 K, 410 lm, +/- 75°, If=640mA, Uf = 9.0 - 11.0 V	10,44	11,76
IDLT018-WW9, <b>warm white</b> , 2700-4500 K, 700 lm, +/- 75°, If=960mA, Uf = 9.0 - 11.0 V	14,35	16,16
		
industrial series high power LED array alu PCB design, diameter 30 mm  brightness 115 lm	1-9 pcs.	1-9 pcs.
IDLT021-CW1, <b>white</b> , 5000-10000 K, 115 lm, +/- 75°, If = 120 mA, Uf = 11.6 - 13.5V	4,70	5,29
IDLT021-WW1, <b>warm white</b> , 2700-4500 K, 110 lm, +/- 75°, If = 120 mA, Uf = 9.0 - 11.0V	4,70	5,29
		
industrial series high power LED array alu PCB design, diameter 30 mm high voltage, low current  brightness 115 lm	1-9 pcs.	1-9 pcs.
IDLT021-CW1HV, <b>white</b> , 5000-1000 K, 115 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V	4,70	5,29
IDLT021-WW1HV, <b>warm white</b> , 2700-4500 K, 110 lm, +/- 75°, If = 20 mA, Uf = 70 - 82 V	4,70	5,29
		
industrial durable high power LED array alu PCB design 48 x 7 x 1.7 mm  brightness 175 lm	1-9 pcs.	1-9 pcs.
IDLT020-WW3, <b>warm white</b> , 2700-4500 K, 160 lm, +/- 75°, If = 320 mA, Uf = 9.0 - 10.5 V	7,05	7,94

## LEDS - MID-IR

STANDARD MID-IR LEDs 1 - 5 µm	EUR	USD
		
Standard MID-IR LEDs - wavelength: 1 - 5 µm - QCW and pulse mode operation  options: parabolic reflector ( <b>R</b> ), window ( <b>W</b> ), thermoelectric cooler and thermoresistor ( <b>T</b> ), narrow spectrum ( <b>NS</b> ) package: SMD, TO-18, TO-5		

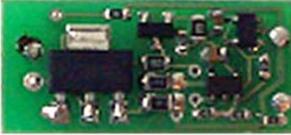
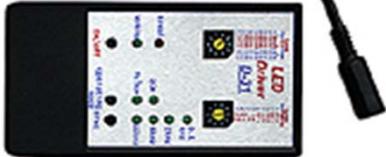
<b>1.05 µm</b>			
LED10-SMD35, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, SMD		o.r.	o.r.
LED10, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, cap, window	50,40	56,76	
LED10-R, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, no window	61,60	69,37	
LED10-RW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-18, reflector, window	84,00	94,59	
LED10-TW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, cap, window, TEC	193,20	217,57	
LED10-TRW, 1.03-1.07 µm, FWHM 70-100 nm, QCW 12-20 mW, TO-5, reflector, window, TEC	204,40	230,18	
<b>1.10 µm</b>			
LED11, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, cap, no window	92,40	104,05	
LED11-R, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, reflector, no window	98,00	110,36	
LED11-RW, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-18, reflector, window	103,60	116,67	
LED11-TW, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-5, cap, window, TEC	159,60	179,73	
LED11-TRW, 1.09-1.15 µm, FWHM 60-80 nm, QCW 4.5-9.0 mW, TO-5, reflector, window, TEC	165,20	186,04	
<b>1.32 µm</b>			
LED13-SMD35, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, SMD		o.r.	o.r.
LED13, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, cap, window	50,40	56,76	
LED13-R, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, no window	61,60	69,37	
LED13-RW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-18, reflector, window	84,00	94,59	
LED13-TW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, cap, window, TEC	193,20	217,57	
LED13-TRW, 1.25-1.33 µm, FWHM 70-100 nm, QCW 10-18 mW, TO-5, reflector, window, TEC	204,40	230,18	
<b>1.45 µm</b>			
LED14-SMD35, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, SMD		o.r.	o.r.
LED14, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, cap, window	50,40	56,76	
LED14-R, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	69,37	
LED14-RW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	94,59	
LED14-TW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, cap, window, TEC	193,20	217,57	
LED14-TRW, 1.40-1.49 µm, FWHM 90-120 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	204,40	230,18	
<b>1.53 µm</b>			
LED15-SMD35, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, SMD		o.r.	o.r.
LED15, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, cap, window	50,40	56,76	
LED15-R, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	69,37	
LED15-RW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	94,59	
LED15-TW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, cap, window, TEC	193,20	217,57	
LED15-TRW, 1.50-1.59 µm, FWHM 110-140 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	204,40	230,18	
<b>1.65µm</b>			
LED16-SMD35, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, SMD		o.r.	o.r.
LED16, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, cap, window	50,40	56,76	
LED16-R, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, no window	61,60	69,37	
LED16-RW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-18, reflector, window	84,00	94,59	
LED16-TW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, cap, window, TEC	193,20	217,57	
LED16-TRW, 1.60-1.69 µm, FWHM 120-150 nm, QCW 7-15 mW, TO-5, reflector, window, TEC	204,40	230,18	
<b>1.73 µm</b>			
LED17-SMD35, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, SMD		o.r.	o.r.
LED17, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, cap, window	50,40	56,76	
LED17-R, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, no window	61,60	69,37	
LED17-RW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-18, reflector, window	84,00	94,59	
LED17-TW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, cap, window, TEC	193,20	217,57	
LED17-TRW, 1.70-1.76 µm, FWHM 160-220 nm, QCW 5-10 mW, TO-5, reflector, window, TEC	204,40	230,18	
<b>1.85 µm</b>			
LED18-SMD35, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, SMD		o.r.	o.r.
LED18, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, cap, window	100,80	113,51	
LED18-R, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, no window	112,00	126,13	
LED18-RW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-18, reflector, window	134,40	151,35	
LED18-TW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, cap, window, TEC	243,60	274,32	
LED18-TRW, 1.80-1.89 µm, FWHM 100-200 nm, QCW 0.7-1.1 mW, TO-5, reflector, window, TEC	254,80	286,94	
<b>1.95 µm</b>			
LED19-SMD35, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, SMD		o.r.	o.r.
LED19, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	113,51	
LED19-R, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	126,13	
LED19-RW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	151,35	
LED19-TW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	274,32	

LED19-TRW, 1.90-1.99 µm, FWHM 100-200 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	286,94
<b>2.05 µm</b>		
LED20-SMD35, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD	o.r.	o.r.
LED20, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	113,51
LED20-R, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	126,13
LED20-RW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	151,35
LED20-TW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	274,32
LED20-TRW, 2.00-2.09 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	286,94
<b>2.15 µm</b>		
LED21-SMD35, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD	o.r.	o.r.
LED21, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	113,51
LED21-R, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	126,13
LED21-RW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	151,35
LED21-TW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	274,32
LED21-TRW, 2.10-2.19 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	286,94
<b>2.22 µm</b>		
LED22-SMD35, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, SMD	o.r.	o.r.
LED22, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, cap, window	100,80	113,51
LED22-R, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, no window	112,00	126,13
LED22-RW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-18, reflector, window	134,40	151,35
LED22-TW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, cap, window, TEC	243,60	274,32
LED22-TRW, 2.20-2.29 µm, FWHM 150-250 nm, QCW 0.8-1.2 mW, TO-5, reflector, window, TEC	254,80	286,94
<b>2.35 µm</b>		
LED23-SMD35, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, SMD	o.r.	o.r.
LED23, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, cap, window	100,80	113,51
LED23-R, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, no window	112,00	126,13
LED23-RW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-18, reflector, window	134,40	151,35
LED23-TW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, cap, window, TEC	243,60	274,32
LED23-TRW, 2.30-2.39 µm, FWHM 170-270 nm, QCW 0.6-1.0 mW, TO-5, reflector, window, TEC	254,80	286,94
<b>2.75 µm</b>		
LED27-SMD35, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, SMD	o.r.	o.r.
LED27, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, cap, no window	100,80	113,51
LED27-R, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, no window	112,00	126,13
LED27-RW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-18, reflector, window	134,40	151,35
LED27-L, 2.70-2.79 µm, FWHM 300-500 nm, QCW 50-150 µW, TO-18, glass cover	112,00	126,13
LED270NS-RW, 2.72-2.76 µm, FWHM 210-260 nm, QCW 3-5 µW, TO-18, reflector, window	422,50	475,79
LED27-TW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, cap, window, TEC	243,60	274,32
LED27-TRW, 2.70-2.79 µm, FWHM 300-500 nm, QCW 12-25 µW, TO-5, reflector, window, TEC	254,80	286,94
<b>2.84 µm</b>		
LED28-SMD35, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, SMD	o.r.	o.r.
LED28, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, cap, no window	100,80	113,51
LED28-R, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, no window	112,00	126,13
LED28-RW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-18, reflector, window	134,40	151,35
LED28-L, 2.83-2.90 µm, FWHM 300-500 nm, QCW 100-300 µW, TO-18, glass cover	112,00	126,13
LED28-TW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, cap, window, TEC	243,60	274,32
LED28-TRW, 2.83-2.90 µm, FWHM 300-500 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	254,80	286,94
<b>3.05 µm</b>		
LED305NS-RW, 3.02-3.07 µm, FWHM 100-160 nm, QCW 6-10 µW, TO-18, reflector, window	345,00	388,51
LED305NS-TRW, 3.03-3.07 µm, FWHM 100-140 nm, QCW 7-9 µW, TO-5, reflector, window, TEC	442,50	498,31
<b>3.15 µm</b>		
LED315NS-RW, 3.12-3.17 µm, FWHM 100-160 nm, QCW 8-14 µW, TO-18, reflector, window	347,50	391,33
<b>3.24 µm</b>		
LED32, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, cap, no window	92,40	104,05
LED32-R, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, reflector, no window	98,00	110,36
LED32-RW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-18, reflector, window	103,60	116,67
LED321NS-RW, 3.20-3.22 µm, FWHM 100-160 nm, QCW 5-9 µW, TO-18, reflector, window	370,00	416,66
LED32-TW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-5, cap, window, TEC	159,60	179,73
LED32-TRW, 3.20-3.30 µm, FWHM 400-700 nm, QCW 10-35 µW, TO-5, reflector, window, TEC	165,20	186,04
<b>3.30 µm</b>		
LED332NS-RW, 3.30-3.34 µm, FWHM 120-280 nm, QCW 15-22 µW, TO-18, reflector, window	387,50	436,37
LED334NS-RW, typ. 3.34 µm, FWHM typ. 200 nm, QCW typ. 18 µW, TO-18, reflector, window	397,50	447,63

<b>3.40 µm</b>			
LED34-SMD35, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, SMD		o.r.	o.r.
LED34, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, cap, no window	53,20	59,91	
LED34-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, no window	64,40	72,52	
LED34-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-18, reflector, window	86,80	97,75	
LED34-L, 3.30-3.44 µm, FWHM 250-600 nm, QCW 100-300 µW, TO-18, glass cover	58,80	66,22	
LED34-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, reflector, window, TEC	196,00	220,72	
LED34-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 20-45 µW, TO-5, cap, window, TEC	207,20	233,33	
LED340NS-TRW, 3.36-3.44 µm, FWHM 120-280 nm, QCW 15-22 µW, TO-5, reflector, window, TEC	600,00	675,67	
<b>3.40 µm, High Power</b>			
LED34H-SMD35, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-50 µW, SMD		o.r.	o.r.
LED34H, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-50 µW, TO-18, cap, no window	81,20	91,44	
LED34H-R, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-50 µW, TO-18, reflector, no window	92,40	104,05	
LED34H-RW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-50 µW, TO-18, reflector, window	114,80	129,28	
LED34H-TW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-50 µW, TO-5, cap, window, TEC	224,00	252,25	
LED34H-TRW, 3.30-3.44 µm, FWHM 250-600 nm, QCW 45-50 µW, TO-5, reflector, window, TEC	235,20	264,86	
<b>3.45 µm</b>			
LED35-SMD35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, SMD		o.r.	o.r.
LED35, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, cap, no window	53,20	59,91	
LED35-R, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, no window	64,40	72,52	
LED35-RW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-18, reflector, window	86,80	97,75	
LED35-TW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, cap, window, TEC	196,00	220,72	
LED35-TRW, 3.45-3.52 µm, FWHM 300-600 nm, QCW 20-40 µW, TO-5, reflector, window, TEC	207,20	233,33	
<b>3.56 µm</b>			
LED36-SMD35, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, SMD		o.r.	o.r.
LED36, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, cap, no window	100,80	113,51	
LED36-R, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, no window	112,00	126,13	
LED36-RW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-18, reflector, window	154,00	173,42	
LED36-TW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, cap, window, TEC	243,60	274,32	
LED36-TRW, 3.53-3.69 µm, FWHM 300-600 nm, QCW 15-40 µW, TO-5, reflector, window, TEC	254,80	286,94	
<b>3.70 µm</b>			
LED37-SMD35, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, SMD		o.r.	o.r.
LED37, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	113,51	
LED37-R, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	126,13	
LED37-RW, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	173,42	
LED37-TW, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-5, cap, window, TEC	243,60	274,32	
LED37-TRW, 3.70-3.75 µm, FWHM 300-600 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	254,80	286,94	
<b>3.85 µm</b>			
LED38-SMD38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, SMD		o.r.	o.r.
LED38, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	113,51	
LED38-R, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	126,13	
LED38-RW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	173,42	
LED38-L, 3.70-3.94 µm, FWHM 500-700 nm, QCW 45- µW, TO-18, glass cover	112,00	126,13	
LED38-TW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, cap, window, TEC	243,60	274,32	
LED38-TRW, 3.76-3.94 µm, FWHM 400-700 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	254,80	286,94	
<b>3.90 µm</b>			
LED390NS-RW, 3.85-3.94 µm, FWHM 120-160 nm, QCW 15-22 µW, TO-18, reflector, window	375,00	422,30	
<b>4.05 µm</b>			
LED41-SMD35, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, SMD		o.r.	o.r.
LED41, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, cap, no window	100,80	113,51	
LED41-R, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, no window	112,00	126,13	
LED41-RW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-18, reflector, window	154,00	173,42	
LED41-TW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, cap, window, TEC	243,60	274,32	
LED41-TRW, 3.95-4.09 µm, FWHM 400-1200 nm, QCW 12-30 µW, TO-5, reflector, window, TEC	254,80	286,94	
<b>4.15 µm</b>			
LED43-SMD35, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, SMD		o.r.	o.r.
LED43, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, cap, no window	53,20	59,91	
LED43-R, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, no window	64,40	72,52	
LED43-RW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-18, reflector, window	106,40	119,82	
LED43-L, 4.10-4.30 µm, FWHM 600-1200 nm, QCW 25- µW, TO-18, glass cover	58,80	66,22	
LED43-TW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, cap, window, TEC	196,00	220,72	

LED43-TRW, 4.10-4.30 µm, FWHM 400-1200 nm, QCW 15-50 µW, TO-5, reflector, window, TEC	207,20	233,33
<b>4.30 µm</b>		
LED430NS-RW, 4.25-4.35 µm, FWHM 150-240 nm, QCW 1.5-4 µW, TO-18, reflector, window	400,00	450,45
<b>4.60 µm</b>		
LED46, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, cap, no window	95,20	107,21
LED46-R, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, reflector, no window	100,80	113,51
LED46-RW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-18, reflector, window	106,40	119,82
LED465NS-RW, 4.61-4.70 µm, FWHM 150-240 nm, QCW 1.0-2.5 µW, TO-18, reflector, window	473,20	532,88
LED46-TW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-5, cap, window, TEC	159,60	179,73
LED46-TRW, 4.40-4.66 µm, FWHM 800-1100 nm, QCW 4-12 µW, TO-5, reflector, window, TEC	165,20	186,04
<b>MID-IR LEDs WITH IMMERSION LENS</b>		<b>EUR</b>
 <p><b>MID-IR LEDs</b>            - with integrated immersion lens            - pulse mode operation            package: TO-39</p>		
IR S-LED 4.70, peak 4.7 um, >20 uW at 1A / 5 µs pulse, 500 Hz, +/-15°	172,92	194,72
IR S-LED 4.80, peak 4.8 um, >20 uW at 1A / 5 µs pulse, 500 Hz, +/-15°	210,42	236,95
<b>MID-IR LEDs OPTICAL PUMPED WITH IMMERSION LENS</b>		<b>EUR</b>
 <p><b>Optical pumped MID-IR LEDs</b>            - with integrated immersion lens            - cw and pulse mode operation            package: TO-39</p>		
MIRO36-35-39CL, 3.6 um, 0.30 mW at 1A/10 us pulse, 25 uW at 50 mA, 35° FWHM	68,00	76,58
MIRO39-35-39CL, 3.9 um, 0.25 mW at 1A/10 us pulse, 20 uW at 50 mA, 35° FWHM	68,00	76,58
<b>MID-IR LEDs Multi-Chip SINGLE OR MULTI WAVELENGTH</b>		<b>EUR</b>
 <p><b>Multi-Chip MID-IR LEDs</b>            - single or multi wavelengths, 1 - 5 µm            - QCW and pulse mode operation            options: parabolic reflector (<b>R</b>), window (<b>W</b>),            thermoelectric cooler and thermoresistor (<b>T</b>)            package: SMD, TO-18, TO-5</p>		
<b>3.40 µm, 4 chips, single wavelength</b>		
LED34M4, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, cap, window	134,40	151,35
LED34M4-R, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, reflector,	145,60	163,96
LED34M4-RW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-18, reflector, window	168,00	189,19
LED34M4-TW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-5, cap, window, TEC	302,40	340,54
LED34M4-TRW, 3.30-3.49 µm, FWHM 400-600 nm, 90-160 µW QCW, TO-5, reflector, , TEC	313,60	353,15
<b>4.30 µm, 4 chips, single wavelength</b>		
LED43M4, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, cap, window	134,40	151,35
LED43M4-R, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, reflector,	145,60	163,96
LED43M4-RW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-18, reflector, window	187,60	211,26
LED43M4-TW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-5, cap, window, TEC	302,40	340,54
LED43M4-TRW, 4.10-4.30 µm, FWHM 700-1000 nm, 25-45 µW QCW, TO-5, reflector, , TEC	313,60	353,15
<b>2 chips, multi wavelength, independent</b>		
LED1915M2, 1.94 and 1.55 µm peak, 2 chips, independent, TO-18	221,20	249,10
LED2015M2, 2.06 and 1.55 µm peak, 2 chips, independent, TO-18	221,20	249,10
LED2315M2, 2.34 and 1.55 µm peak, 2 chips, independent, TO-18	226,80	255,40
LED3429M2, 3.34 and 2.9 µm peak, 2 chips, independent, TO-18	221,20	249,10
LED3629M2, 3.6 and 2.9 µm peak, 2 chips, independent, TO-18	221,20	249,10
LED3829M2, 3.8 and 2.9 µm peak, 2 chips, independent, TO-18	221,20	249,10
LED4337M2, 4.27 and 3.7 µm peak, 2 chips, independent, TO-18	226,80	255,40
LED4637M2, 4.67 and 3.7 µm peak, 2 chips, independent, TO-18	226,80	255,40
<b>1.3 - 2.1 µm, 6 chips, multi wavelength, independent</b>		
LED13-21M6, 1.3-2.1 µm, 6 independet chips, pulse mode, TO-5, cap, window	302,40	340,54
LED13-21M6-TW, 1.3-2.1 µm, 6 independet chips, pulse mode, TO-5, cap, window, TEC	313,60	353,15

# ACCESSORIES FOR MID-IR LEDs

REFLECTORS FOR MID-IR LEDs	EUR	USD
Parabolic Reflector, aluminium reflector for TO-18 package	10,00	11,26
ELECTRONICS FOR MID-IR LEDs	EUR	USD
<b>MINI DRIVER BOARDS FOR MID-IR LEDs, QCW and PULSED MODE, PCB</b>		
	<b>Current pulse drivers for LEDs and mid-IR LEDs</b> - open pcb type - fixed pulsed mode  operating voltage: 5..6 VDC size: 12 x 24 mm <sup>2</sup>	
PCB-mdriver-QCW, QCW mode, 50% duty cycle, 500 µs on/off, f = 1kHz, current = 150 mA	70,00	78,83
PCB-mdriver-P, pulsed mode, 5 µs on, 495 µs off, f = 2 kHz, current = 2 A	70,00	78,83
DRIVER BOARDS FOR MID-IR LEDs, PULSED MODE, PCB		
	<b>Current pulse drivers for LEDs and mid-IR LEDs</b> - open pcb type - fixed pulsed mode, for max. peak optial power  operating voltage: 5..6 VDC size: 12 x 24 mm <sup>2</sup>	
PCB-driver-41, pulsed mode, 4 current/frequency/duration value selectors, sync input	177,60	200,00
PCB-driver-51, pulsed mode, 4 current/frequency/duration values, sync input, temp contr.	192,40	216,67
MULTI-CHANNEL DRIVER BOARD FOR MID-IR LEDs, PULSED MODE, PCB		
	<b>Multi-Channel pulse driver for LEDs and mid-IR LEDs</b> - open pcb type - fixed pulsed mode (set to your needs) - 0.4 A and 0.5 kHz each channel  operating voltage: 12 VDC size: 105 x 70 x 15 mm	
PCB-driver-MC, multi-channel, up to 8 channels, PD input & preamp., synch. Detector	545,75	614,58
DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE		
	<b>Drivers for LEDs and Laser Diodes</b> - qcw mode for max. average optical power - pulsed mode for max. peak optial power	
D-11, qcw & pulsed driver for LEDs and LDs, adjustable operation mode	148,00	166,67
D-31M, qcw & pulsed driver for LEDs and LDs, adjustable current/pulse/rep. rate, <b>small size</b>	206,00	231,98
DRIVERS FOR MID-IR LEDs, QCW and PULSED MODE with temperature controller		
	<b>Drivers for LEDs and Laser Diodes</b> - with integrated thermocooler - qcw mode for max. average optical power - pulsed mode for max. peak optial power	
DLT-27, qcw & pulsed mode driver for LEDs and LDs with TEC	394,00	443,69
DLT-37, qcw & pulsed mode driver for LEDs and LDs with TEC, adj. current, pulse, rep.	406,00	457,20

# PHOTODIODES UV - GaN

Smart UVI Checker	EUR	USD
	UVI Checker for directly measuring the UV radiation intensity of the Sun with your Smart phone  - works with Apple & Android phones - required app freely available - no battery required - real time measurement - UV index read out	1-9 pcs.
		1-9 pcs.

Smart UVI Checker, 240-370 nm, 0 - 10 UVI, size 10 x 30 mm (incl. Ear Jack: 47mm)	26,00	29,28
<b>UV-PHOTODIODES GaN, AlGaN and InGaN</b>	<b>EUR</b>	<b>USD</b>
 <p>UV-photodiodes based on GaN, AlGaN and InGaN are intrinsic visible blind due to high bandgap material, extreme irradiation hardness</p>		
	1-9 pcs.	1-9 pcs.
GUVC-T10GD, <b>210-280 nm</b> , chip size 0.3 x 0.3 mm <sup>2</sup> , TO-46, quartz window	19,40	21,85
GUVB-T11GD, <b>200-320 nm</b> , chip size 0.3 x 0.3 mm <sup>2</sup> , TO-46, quartz window	14,60	16,44
GUVB-S11SD, <b>235-320 nm</b> , chip size 0.4 x 0.4 mm <sup>2</sup> , SMD 3528, silicone resin	3,80	4,28
GUVA-T11GD, <b>200-370 nm</b> , chip size 0.4 x 0.4 mm <sup>2</sup> , TO-46, quartz window	9,80	11,04
GUVA-T11GD-L, <b>200-370 nm</b> , chip size 1.4 x 1.4 mm <sup>2</sup> , TO-46, quartz window	19,20	21,62
GUVA-S12SD, <b>240-370 nm</b> , chip size 0.3 x 0.3 mm <sup>2</sup> , SMD 3528, silicone resin	5,20	5,86
GUVA-C22SD, <b>240-370 nm</b> , chip size 0.3 x 0.3 mm <sup>2</sup> , COB 2416, Si encapsulant	3,30	3,72
GUVV-T10GD, <b>230-395 nm</b> , chip size 0.4 x 0.4 mm <sup>2</sup> , TO-46, quartz window	15,20	17,12
GUVV-S10SD, <b>240-395 nm</b> , chip size 0.4 x 0.4 mm <sup>2</sup> , SMD 3528, silicone resin	3,90	4,39
<b>UV-PHOTODIODE GaN, AlGaN and InGaN with TIA</b>	<b>EUR</b>	<b>USD</b>
 <p>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</p>		
	1-9 pcs.	1-9 pcs.
GUVC-T21GH, <b>220-280 nm</b> , integrated TI amplifier, TO-5, quartz window	31,50	35,47
GUVB-T21GH, <b>220-320 nm</b> , integrated TI amplifier, TO-5, quartz window	31,50	35,47
GUVA-T21GH, <b>220-370 nm</b> , integrated TI amplifier, TO-5, quartz window	25,20	28,38
GUVV-T21GH, <b>220-395 nm</b> , integrated TI amplifier, TO-5, quartz window	31,50	35,47
<b>PHOTODIODES UV - SiC</b>		
<b>UV-PHOTODIODES SiC</b>	<b>EUR</b>	<b>USD</b>
 <p><b>Silicon Carbide Photodiodes</b> offering high visible blindness, low dark current, high speed, and low noise</p> <ul style="list-style-type: none"> <li>- operating temp. range -55 ... 170°C</li> <li>- visible blindness &gt;10<sup>10</sup></li> <li>- UVA, -B, -C, and UV broadband version avail.</li> <li>- Erythem versions for measuring UV-index (UVI) avail.</li> </ul>		
	1-9 pcs.	1-9 pcs.
<b>UV Broadband, 215 - 365 nm</b>		
SIC01S-18, <b>215-365 nm</b> , peak 285 nm, Ø 0.06 mm <sup>2</sup> , TO-18, UV-broadband	25,00	28,15
SIC01S-18ISO90, <b>215-365 nm</b> , peak 285 nm, Ø 0.06 mm <sup>2</sup> , TO-18, <b>both pins isolated</b>	41,80	47,07
SIC01M-18, <b>215-365 nm</b> , peak 285 nm, Ø 0.2 mm <sup>2</sup> , TO-18, UV-broadband	60,80	68,47
SIC01M-18ISO90, <b>215-365 nm</b> , peak 285 nm, Ø 0.2 mm <sup>2</sup> , TO-18, <b>both pins isolated</b>	70,30	79,17
SIC01M-5LENS, <b>220-360 nm</b> , peak 288 nm, Ø 0.2 mm <sup>2</sup> , TO-5, <b>flame detection (EN298)</b>	81,70	92,00
SIC01D-18, <b>215-365 nm</b> , peak 285 nm, Ø 0.5 mm <sup>2</sup> , TO-18, UV-broadband	60,80	68,47
SIC01L-18, <b>210-380 nm</b> , peak 285 nm, Ø 1.0 mm <sup>2</sup> , TO-18, UV-broadband	136,80	154,05
SIC01L-18ISO90, <b>210-380 nm</b> , peak 285 nm, Ø 1.0 mm <sup>2</sup> , TO-18, <b>both pins isolated</b>	155,80	175,45
SIC01L-5, <b>210-380 nm</b> , peak 285 nm, Ø 1.0 mm <sup>2</sup> , TO-5, UV-broadband	136,80	154,05
SIC01XL-5, <b>215-365 nm</b> , peak 285 nm, Ø 7.6 mm <sup>2</sup> , TO-5, UV-broadband	502,20	565,54
SIC01XL-5ISO90, <b>215-365 nm</b> , peak 285 nm, Ø 7.6 mm <sup>2</sup> , TO-5, <b>both pins isolated</b>	502,20	565,54
<b>UVA, 310 - 370 nm</b>		
SIC01S-A18, <b>310-370 nm</b> , peak 335 nm, Ø 0.06 mm <sup>2</sup> , TO-18, UVA	53,20	59,91
SIC01M-A18, <b>310-370 nm</b> , peak 335 nm, Ø 0.2 mm <sup>2</sup> , TO-18, UVA	102,60	115,54
SIC01D-A18, <b>310-370 nm</b> , peak 335 nm, Ø 0.5 mm <sup>2</sup> , TO-18, UVA	102,60	115,54
SIC01L-A5, <b>310-370 nm</b> , peak 335 nm, Ø 1.0 mm <sup>2</sup> , TO-5, UVA	180,50	203,26
SIC01XL-A5, <b>210-370 nm</b> , peak 335 nm, Ø 7.6 mm <sup>2</sup> , TO-5, UVA	550,80	620,27
<b>UVB, 230 - 315 nm</b>		
SIC01S-B18, <b>230-315nm</b> , peak 280 nm, Ø 0.06 mm <sup>2</sup> , TO-18, UVB	53,20	59,91
SIC01M-B18, <b>230-315 nm</b> , peak 280 nm, Ø 0.2mm <sup>2</sup> , TO-18, UVB	102,60	115,54
SIC01D-B18, <b>230-315 nm</b> , peak 280 nm, Ø 0.5mm <sup>2</sup> , TO-18, UVB	102,60	115,54

SIC01L-B5, <b>230-315 nm</b> , peak 280 nm, Ø 1.0mm <sup>2</sup> , TO-5, UVB	180,50	203,26
SIC01XL-B5, <b>230-315 nm</b> , peak 280 nm, Ø 7.6 mm <sup>2</sup> , TO-5, UVB	550,80	620,27
<b>UVC, 230 - 285 nm</b>		
SIC01S-C18, <b>230-285 nm</b> , peak 270 nm, Ø 0.06 mm <sup>2</sup> , TO-18, UVC	53,20	59,91
SIC01M-C5, <b>230-285 nm</b> , peak 270 nm, Ø 0.2 mm <sup>2</sup> , TO-5, UVC	110,20	124,10
SIC01D-C18, <b>230-285 nm</b> , peak 270 nm, Ø 0.5 mm <sup>2</sup> , TO-18, UVC	102,60	115,54
SIC01L-C5, <b>230-285 nm</b> , peak 270 nm, Ø 1.0 mm <sup>2</sup> , TO-5, UVC	180,50	203,26
SIC01XL-C5, <b>230-285 nm</b> , peak 270 nm, Ø 7.6 mm <sup>2</sup> , TO-5, UVC	550,80	620,27

<b>UV-Index (DIN5050 / CIE087)</b>		
SIC01M-E18, <b>Erythem</b> , 0.5nA/UVI, Ø 0.2 mm <sup>2</sup> , TO-18, <b>UV-Index (DIN5050/CIE087)</b>	117,80	132,66
SIC01D-E18, <b>Erythem</b> , 0.5nA/UVI, Ø 0.5 mm <sup>2</sup> , TO-18, <b>UV-Index (DIN5050/CIE087)</b>	117,80	132,66
SIC01L-E5, <b>Erythem</b> , 2 nA/UVI, Ø 1.0 mm <sup>2</sup> , TO-5, <b>UV-Index (DIN5050/CIE087)</b>	203,30	228,94
SIC01XL-E5, <b>Erythem</b> , 2 nA/UVI, Ø 7.6 mm <sup>2</sup> , TO-5, <b>UV-Index (DIN5050/CIE087)</b>	567,00	638,51

<b>UV-PHOTODIODE SiC with TIA</b>	<b>EUR</b>	<b>USD</b>
 <p>Silicon Carbide pre-amplified UV photodetector            - integrated transimpedance amplifier            - 0...5V stable output voltage            - no external amplifier required            - TO-5 metal can housing</p>		

<b>UV Broadband, 215 - 365 nm</b>		
UV-TIAMO-BL, <b>210-380 nm</b> , <18 nW/cm <sup>2</sup> , chip size 0.2mm <sup>2</sup> , ball lens --> <b>flame detection</b>	165,00	185,81
UV-TIAMO, <b>210-380 nm</b> , <18 µW/cm <sup>2</sup> , chip size 0.2mm <sup>2</sup> , flat window with diffusor	165,00	185,81
UV-TIAMO-S, <b>210-380 nm</b> , <18 mW/cm <sup>2</sup> , chip size 0.2mm <sup>2</sup> , flat window with diffusor	165,00	185,81
UV-TIAMO-M, <b>210-380 nm</b> , <180 mW/cm <sup>2</sup> , chip size 0.2mm <sup>2</sup> , flat window with attenuator	165,00	185,81

<b>UV-Index (DIN5050 / CIE087)</b>		
UV-TIAMO-E2, <b>300-400nm</b> , <30 UVI, flat window, --> <b>UV-Index (CIE087)</b>	165,00	185,81

## PHOTODIODES UV - GaP

<b>UV-PHOTODIODES GaP</b>	<b>EUR</b>	<b>USD</b>
 <p>UV-photodiodes based on GaP</p>		

<b>190 - 550 nm</b>		
EPD-440-0/0.9, <b>190-550 nm</b> , active area 0.51 mm <sup>2</sup> , TO-46	38,60	43,47
EPD-440-0/1.4, <b>190-550 nm</b> , active area 1.2 mm <sup>2</sup> , TO-46	58,00	65,31
EPD-440-0/2.5, <b>190-550 nm</b> , active area 4.8 mm <sup>2</sup> , TO-39	74,78	84,21

<b>220 - 380 nm</b>		
EPD-280-0-0.3-1, <b>220-380 nm</b> , active area 0.056 mm <sup>2</sup> , TO-46	89,00	100,22

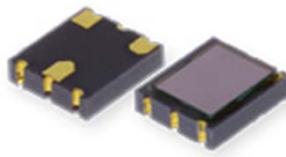
<b>245 - 405 nm</b>		
EPD-365-0/0.9, <b>245-405 nm</b> , active area 0.51 mm <sup>2</sup> , UG11 filter, TO-46	52,70	59,35
EPD-365-0/1.4, <b>245-405 nm</b> , active area 1.2 mm <sup>2</sup> , UG11 filter, TO-46	59,00	66,44
EPD-365-0/2.5, <b>245-405 nm</b> , active area 4.8 mm <sup>2</sup> , UG11filter, TO-39	104,27	117,42

## PHOTODIODES - Si

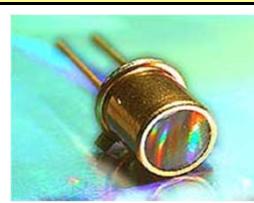
<b>PHOTODIODES SILICON</b>	<b>EUR</b>	<b>USD</b>
 <p>Silicon Pin-photodiodes featuring excellent responsibility and high photocurrent.            Range of Sensivity: 400-1100nm, peak@900nm            Different packages: TO46, TO39, 3mm, 5mm, SMD            RoHS compliant</p>		
SPD19-33, active area 0.2 mm <sup>2</sup> , 6 pF, Id: 10nA, tr,ff: 6 ns, 3 mm epoxy package	1,33	1,50
SPD19-C, active area 0.2 mm <sup>2</sup> , 6pF, Id:10nA, ceramic SMD 3.0 x 2.0 x 1.1 mm <sup>3</sup>	2,52	2,84
SPD64-02, active area 0.64 mm <sup>2</sup> , 6 pF, Id: 10nA, tr,ff: 10 ns, 5 mm epoxy package, +/- 14°	1,92	2,16
SPD64-04, active area 0.64 mm <sup>2</sup> , 6 pF, Id: 10nA, tr,ff: 10 ns, 5 mm epoxy package, +/- 45°	1,48	1,67

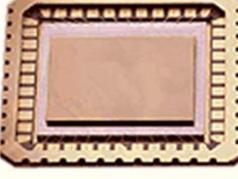
SPD64-04B, active area 0.64 mm <sup>2</sup> , 6 pF, Id: 10nA, tr,ff: 10 ns, <b>visible light cutoff</b>	1,77	1,99
SPD17-0F, active area 1,69 mm <sup>2</sup> , 6 pF, Id: 10nA, tr,ff: 10 ns, T046 epoxy resin	2,30	2,59
SPD400-0F, active area 4 mm <sup>2</sup> , 18 pF, Id: 5 nA, TO46 with epoxy resin, tr, ff: 45 ns	3,49	3,93
SPD900-9P, active area 9 mm <sup>2</sup> , 25 pF, Id: 5 nA, TO39 flat glass window	16,96	19,10
<b>SI PHOTODIODES WITH INTEGRATED TRANSIMPEDANCE AMPLIFIER</b>	<b>EUR</b>	<b>USD</b>
	PIN silicon photodiodes with low noise JFET TI amplifier, integrated feedback resistor and capacitor, hermetical TO5 package with collimating glass lens, very low offset and drift parameters, dual supply voltage +/-5V up to +/-18V, operating temp.: -25° .. +85°C, RoHS and WEEE conformity	
		1-9 pcs.
IQ800L, active area 4.8mm <sup>2</sup> , transimpedance 100 MOhm, 35 us, 10 kHz, +/- 50 degree	79,00	88,96
IQ801L, active area 4.8mm <sup>2</sup> , transimpedance 10 MOhm, 15 us, 25 kHz, +/- 50 degree	79,00	88,96
IQ802L, active area 4.8mm <sup>2</sup> , transimpedance 1 MOhm, 3 us, 120 kHz, +/- 50 degree	79,00	88,96

## PD Avalanche - Si

<b>AVALANCHE PHOTODIODES SILICON</b>	<b>EUR</b>	<b>USD</b>
	Silicon Avalanche Photodiode in SMD package for Range Finding Application, LIDAR - small package: 3.8x3.8x1.3mm <sup>2</sup> - High sensitivity - high gain at low bias - fast response time, low noise	
	1-9 pcs.	1-9 pcs.
APD230-SMD, active area diameter 0.23 mm, tr,tf: 0.25ns, 1.5pF, 3030 SMD package	19,80	22,30
APD230-LCC, active area diameter 0.23 mm, tr,tf: 0.25ns, 1.5pF, LCC6 package	22,80	25,68
APD500-LCC, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, LCC6 package	24,30	27,36
APD500-TO52, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, TO52 package	33,10	37,27
APD500-TO52F, active area diameter 0.5 mm, tr,tf: 0.6ns, 1.2pF, TO52, <b>narrowband filter</b>	39,00	43,92
<b>PHOTO TRANSISTORS SILICON</b>	<b>EUR</b>	<b>USD</b>
SPT36-05, chip size 0.8 x 0.8 mm <sup>2</sup> , 5 mm epoxy, flat, photo current typ. 4 mA, +/-40°	2,65	2,98
SPT36-33, chip size 0.8 x 0.8 mm <sup>2</sup> , 3 mm epoxy, photo current typ. 7 mA, +/-25°	2,65	2,98
SPT64-33, chip size 1.0 x 1.0 mm <sup>2</sup> , 3 mm epoxy, photo current typ. 10 mA, +/-25°	1,77	1,99

## PD Selective - Si

<b>SELECTIVE PHOTODIODES</b>	<b>EUR</b>	<b>USD</b>
	wavelength selective photodiodes based on GaP, no interference filter or color glass filter used, photodiodes are intrinsic wavelength selective	
	1-9 pcs.	1-9 pcs.
<b>BLUE</b>		
EPD-470-3-0.5, <b>385-565 nm</b> , active area 0.17 mm <sup>2</sup> , 3 mm epoxy	12,90	14,53
EPD-470-5-0.5, <b>385-565 nm</b> , active area 0.17 mm <sup>2</sup> , 5 mm epoxy	12,90	14,53
EPD-470-1-0.9, <b>385-565 nm</b> , active area 0.62 mm <sup>2</sup> , SMD 1206	16,09	18,12
EPD-470-0-1.4, GaP, 50% at <b>420 - 520 nm</b> , peak at 470 nm, active area 1.76 mm <sup>2</sup> , TO-18	49,90	56,19
<b>GREEN</b>		
EPD-525-5-0.5, <b>410-580 nm</b> , active area 0.17 mm <sup>2</sup> , 5 mm epoxy	4,50	5,07
EPD-525-1-0.9, <b>410-580 nm</b> , active area 0.62 mm <sup>2</sup> , SMD 1206	7,00	7,88
EPD-525-0-2.5, <b>470-570 nm</b> , peak at 525 nm, active area 5.8 mm <sup>2</sup> , TO-39	79,90	89,98
<b>RED</b>		
EPD-660-3-0.9, <b>605-705 nm</b> , active area 0.62 mm <sup>2</sup> , 3 mm epoxy	12,51	14,09
EPD-660-5-0.9, <b>605-705 nm</b> , active area 0.62 mm <sup>2</sup> , 5 mm epoxy	12,51	14,09
EPD-660-1-0.9, <b>605-705 nm</b> , active area 0.62 mm <sup>2</sup> , SMD 1206	28,10	31,64
<b>IR</b>		
EPD-880-5-0.5, <b>800 - 960 nm</b> , active area 0.17 mm <sup>2</sup> , 5 mm epoxy	7,00	7,88
EPD-880-5-0.9, <b>800-960 nm</b> , active area 0.62 mm <sup>2</sup> , 5 mm epoxy	7,00	7,88
EPD-880-1-0.9, <b>800-960 nm</b> , active area 0.62 mm <sup>2</sup> , SMD 1206	7,00	7,88
EPD-880-0-1.4, <b>800 - 960 nm</b> , active area 1.76 mm <sup>2</sup> , TO-18	o.r.	o.r.

MID-IR		18,90	21,28
EPD-1300-3-0.2, 800-1750 nm, active area 0.032 mm <sup>2</sup> , 3 mm epoxy		225,00	253,38
<b>PHOTODIODES - InGaAs</b>			
<b>GaAs, InGaAs, InAsP PHOTODIODES</b>		<b>EUR</b>	<b>USD</b>
	InGaAs, GaAs and InAsP photodiodes diverse packages chip die available on request		
		1-9 pcs.	1-9 pcs.
<b>0.9 - 1.7 µm</b>			
IPD14-12-5T-2, InGaAs PIN, 0.12 mm <sup>2</sup> , 1.0 - 1.6 µm, TO-18, tr:10ns, tf:5ns		15,46	17,41
PT409, InGaAs PIN, 1.0 - 1.65 µm, Ø75 µm area, 3dBm, TO-46, flat window		17,20	19,37
PT410, InGaAs PIN, 1.0 - 1.65 µm, Ø75 µm area, 10dBm, TO-46, flat window		19,05	21,45
PT511-2, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, flat window		15,30	17,23
PT511B, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, ball lens		20,95	23,59
PT512, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 20dBm, TO-46, flat window		25,90	29,17
PT512B, InGaAs PIN 1.0 - 1.65 µm, Ø300 µm area, 20dBm, TO-46, ball lens		25,90	29,17
LAPD-1-09-17-TO46, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, TO-46		46,00	51,80
LAPD-1-09-17-LCC, InGaAs PIN, 0.9 - 1.7 µm, 1 mm Ø round sensor area, 6LCC		46,00	51,80
PT611, InGaAs PIN 1.0 - 1.65 µm, Ø1 mm area, 10dBm, TO-46, flat window		81,00	91,22
LAPD-2-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 2 mm Ø round sensor area, TO-39		152,00	171,17
LAPD-2-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 2 mm Ø round sensor area, 8LCC		152,00	171,17
PT711, InGaAs PIN 1.0 - 1.65 µm, Ø2 mm area, 10dBm, TO-5, ball lens		245,00	275,90
LAPD-3-09-17-TO39, InGaAs PIN, 0.9 - 1.7 µm, 3 mm Ø round sensor area, TO-39		425,00	478,60
LAPD-3-09-17-LCC, InGaAs, 0.9 - 1.7 µm, 3 mm Ø round sensor area, 8LCC		425,00	478,60
PT811-2, InGaAs PIN 1.0 - 1.65 µm, Ø3 mm area, 10dBm, TO-5, ball lens		358,10	403,26
<b>0.6 - 1.7 µm</b>			
LAPD-1-06-17-TO46, InGaAs PIN, 0.6 - 1.7 µm, 1 mm Ø round sensor area, TO-46		59,90	67,45
LAPD-1-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, 1 mm Ø round sensor area, 6LCC		59,90	67,45
LAPD-2-06-17-TO39, InGaAs PIN, 0.6 - 1.7 µm, 2 mm Ø round sensor area, TO-39		197,00	221,85
LAPD-2-06-17-LCC, InGaAs PIN, 0.6 - 1.7 µm, 2 mm Ø round sensor area, 8LCC		197,00	221,85
PT521, InGaAs PIN 0.5 - 1.65 µm, Ø300 µm area, 10dBm, TO-46, flat window		28,65	32,26
<b>InGaAs PIN PHOTODIODES with FC connector</b>		<b>EUR</b>	<b>USD</b>
PF511, 1.0 - 1.65 µm, Ø300 µm area, 10 dBm, GRIN lens, FC connector		92,38	104,03
PF512, 1.0 - 1.65 µm, Ø300 µm area, 20 dBm, ball lens, FC connector		93,45	105,24
PF513, 1.0 - 1.65 µm, Ø300 µm area, 30 dBm, GRIN lens, FC connector		95,24	107,25
PF521, 0.5 - 1.7 µm, Ø300 µm area, 10 dBm, GRIN lens, FC connector		75,13	84,61
PF611, 1.0 - 1.65 µm, Ø1 mm area, 10 dBm, GRIN lens, FC connector		150,95	169,99
PF711, 1.0 - 1.65 µm, Ø2 mm area, 10 dBm, FC connector		263,00	296,17
PF811-2, 1.0 - 1.65 µm, Ø3 mm area, 10 dBm, FC connector		378,20	425,90
<b>FIBERCOUPLED InGaAs PIN PHOTODIODES</b>		<b>EUR</b>	<b>USD</b>
PD-1375-ip, InGaAs PIN, 1100-1600 nm, sm, FC		98,44	110,86
<b>PD - InGaAs FOCAL PLANE ARRAYS</b>			
<b>FOCAL PLANE InGaAs ARRAYS</b>		<b>EUR</b>	<b>USD</b>
	two-dimensional InGaAs array 320 x 256 pixels, high sensitivity in the near infrared, extremely low noise, high dynamic range, room temperature operation, wavelength range 900 - 1700 nm, pixel width: 30 µm, responsivity 0.8 A/W, quantum efficiency >70%		
		1-4 pcs.	1-4 pcs.
FPA320x256-980, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 98% oper.		6.117,00	6.888,48
FPA320x256-990, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 99% oper.		8.667,00	9.760,08
FPA320x256-999, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., 99.9% oper.		9.177,00	10.334,40
FPA320x256-100, InGaAs, 320x256, 10 MHz, 0.9-1.7 µm, LCC, ARC wind., >99.95% oper.		10.196,00	11.481,92

# PD - MID IR

MID-IR PHOTORESISTORS TO-5	EUR	USD
 <p>MID-IR photoresistors in TO-5 package, operates in photoconductivity mode at bias voltage chip die available on request</p>	1-5 pcs.	1-5 pcs.
PR43, Photoresistor, 1.0 - 4.4 µm, tr,tf: 5 µs, 200-500 V/W, 2.0 x 2.0 mm <sup>2</sup> , TO-5	112,00	126,13
MID-IR PHOTODIODES TO-39 PACKAGE WITH IMMERSION LENS	EUR	USD
 <p>MID-IR photodiodes in TO-39 package with integrated Si or CdSb immersion lens</p>	1-5 pcs.	1-5 pcs.
IR-PD 3.0, 3.0-3.2 µm, 0.2 A/W, InAs, TO-39 with 3.5 mm immersion lens	210,83	237,42
STANDARD MID-IR PDs 1 - 5 µm	EUR	USD
 <p><b>Standard MID-IR PDs</b>  - wavelength range: 1 - 5 µm  - sensitive areas: 0.3, 0.5 or 1.0 mm  options: parabolic reflector (<b>R</b>), window (<b>W</b>),  thermoelectric cooler and thermoresistor (<b>T</b>),  narrow spectrum (<b>NS</b>)  package: TO-18, TO-5, TO-8</p>		
PD24-03 series		
PD24-03, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30 -60 µA, TO-18	89,60	100,90
PD24-03R, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30 -60 µA, TO-18, reflector	100,80	113,51
PD24-03RW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30 -60 µA, TO-18, reflector, window	123,20	138,74
PD24-03TW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30 -60 µA, TO-18, TEC, window	232,40	261,71
PD24-03TRW, 1.1-2.43 µm, 0.3 mm, 0.9-1.1 A/W, 30 -60 µA, TO-18, TEC, reflector, window	243,60	274,32
PD25-05 series		
PD25-05, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18	257,60	290,09
PD25-05R, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18, reflector	268,80	302,70
PD25-05RW, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18, reflector, window	291,20	327,93
PD25-05TW, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18, TEC, window	400,40	450,90
PD25-05TRW, 1.0-2.5 µm, 0.5 mm, 1.0-1.3 A/W, 4-7 µA, TO-18, TEC, reflector, window	411,60	463,51
PD25-10 series		
PD25-10, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18	389,20	438,29
PD25-10R, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18, reflector	400,40	450,90
PD25-10RW, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18, reflector, window	422,80	476,12
PD25-10TW, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18, TEC, window	532,00	599,10
PD25-10TRW, 1.0-2.5 µm, 1 mm, 1.0-1.1 A/W, 15-22 µA, TO-18, TEC, reflector, window	543,20	611,71
PD36-03 series		
PD36-03, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18	78,40	88,29
PD36-03R, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector	89,60	100,90
PD36-03RW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, reflector, window	112,00	126,13
PD36-03L, 2.0-3.8 µm, 0.3 mm, 250-300 pF, 80-300 µA, TO-18, glass cover	86,80	97,75
PD36-03TW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, TEC, window	221,20	249,10
PD36-03TRW, 1.8-3.8 µm, 0.3 mm, 0.7-0.8 A/W, 150-600 µA, TO-18, TEC, reflector, window	232,40	261,71
PD36-05 series		
PD36-05, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18	128,80	145,04
PD36-05R, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector	140,00	157,66
PD36-05RW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, reflector, window	162,40	182,88
PD36-05L, 2.0-3.6 µm, 0.5 mm, 600-1100 pF, 120-1000 µA, TO-18, glass cover	140,00	157,66
PD36-05TW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, TEC, window	271,60	305,85
PD36-05TRW, 1.8-3.8 µm, 0.5 mm, 1.0-1.2 A/W, 300-1000 µA, TO-18, TEC, reflector, window	282,80	318,47
PD41-03 series		
PD41-03, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18	89,60	100,90

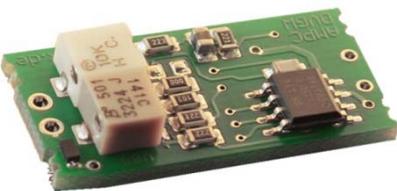
PD41-03R, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector	100,80	113,51
PD41-03RW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, reflector, window	142,80	160,81
PD41-03TW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, TEC, window	232,40	261,71
PD41-03TRW, 2.8-4.1 µm, 0.3 mm, 0.7-0.8 A/W, 5-6 mA, TO-18, TEC, reflector, window	243,60	274,32
<b>PD41-05 series</b>		
PD41-05, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18	151,20	170,27
PD41-05R, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, reflector	162,40	182,88
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	204,40	230,18
PD41-05TW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, TEC, window	294,00	331,08
PD41-05TRW, 2.8-4.1 µm, 0.5 mm, 1.1-1.2 A/W, 6.5-8.0 mA, TO-18, TEC, reflector, window	305,20	343,69
<b>PD43-03 series</b>		
PD43-03, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18	89,60	100,90
PD43-03R, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector	100,80	113,51
PD43-03RW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, reflector, window	142,80	160,81
PD43-03L, 3.6-4.6 µm, 0.3 mm, 4-6 mA, TO-18, glass cover	98,00	110,36
PD43-03TW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, TEC, window	232,40	261,71
PD43-03TRW, 3.7-4.6 µm, 0.3 mm, 1.6-2.0 A/W, 4-6 mA, TO-18, TEC, reflector, window	243,60	274,32
<b>PD43-05 series</b>		
PD43-05, 2.8-4.6 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18	151,20	170,27
PD43-05R, 2.8-4.6 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector	162,40	182,88
PD43-05RW, 2.8-4.6 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, reflector, window	204,40	230,18
PD43-05L, 2.6-4.6 µm, 0.5 mm, 15-25 mA, TO-18, glass cover	168,00	189,19
PD43-05TW, 2.8-4.6 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, TEC, window	294,00	331,08
PD43-05TRW, 2.8-4.6 µm, 0.5 mm, 0.9-1.0 A/W, 15-25 mA, TO-18, TEC, reflector, window	305,20	343,69
<b>MID-IR PDs 1 - 5 µm WITH INTEGRATED PREAMPLIFIER</b>	<b>EUR</b>	<b>USD</b>
	MID-IR photodiode in aluminum tube package with an integrated preamplifier (AMP) supply voltage: 5 VDC  additional option: - parabolic reflector (R)	
<b>PD24-03 series</b>		
PD24-03R-AMP, 1.1-2.43 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	218,40	245,94
PD24-03RW-AMP, 1.1-2.43 µm, 0.3 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	240,80	271,17
<b>PD25-05 series</b>		
PD25-05R-AMP, 1.0-2.5 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	386,40	435,13
PD25-05RW-AMP, 1.0-2.5 µm, 0.5 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	408,80	460,36
<b>PD25-10 series</b>		
PD25-10R-AMP, 1.0-2.5 µm, 1 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	518,00	583,33
PD25-10RW-AMP, 1.0-2.5 µm, 1 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	540,40	608,56
<b>PD36-03 series</b>		
PD36-03R-AMP, 1.8-3.8 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	207,20	233,33
PD36-03RW-AMP, 1.8-3.8 µm, 0.3 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	229,60	258,56
PD36-03LR-AMP, 2.0-3.8 µm, 0.3 mm, glass cover, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	215,60	242,79
<b>PD36-05 series</b>		
PD36-05R-AMP, 1.8-3.8 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	257,60	290,09
PD36-05RW-AMP, 1.8-3.8 µm, 0.5 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	280,00	315,31
PD36-05LR-AMP, 2.0-3.6 µm, 0.5 mm, glass cover, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	268,80	302,70
<b>PD41-03 series</b>		
PD41-03R-AMP, 2.8-4.1 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	218,40	245,94
PD41-03RW-AMP, 2.8-4.1 µm, 0.3 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	260,40	293,24
<b>PD41-05 series</b>		
PD41-05R-AMP, 2.8-4.1 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	280,00	315,31
PD41-05RW-AMP, 2.8-4.1 µm, 0.5 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	322,00	362,61
<b>PD43-03 series</b>		
PD43-03R-AMP, 3.7-4.6 µm, 0.3 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	218,40	245,94
PD43-03RW-AMP, 3.7-4.6 µm, 0.3 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	260,40	293,24
PD43-03LR-AMP, 3.6-4.6 µm, 0.3 mm, glass cover, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	226,80	255,40
<b>PD43-05 series</b>		
PD43-05R-AMP, 2.8-4.6 µm, 0.5 mm, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	280,00	315,31

PD43-05RW-AMP, 2.8-4.6 µm, 0.5 mm, reflector, window, preamplifier, 5 VDC, Ø12 x 40 mm tube	322,00	362,61
PD43-05LR-AMP, 2.6-4.6 µm, 0.5 mm, glass cover, reflector, preamplifier, 5 VDC, Ø12 x 40 mm tube	296,80	334,23

## PD - SYNCHRONOUS DETECTOR

SYNCHRONOUS DETECTOR FOR MID-IR PHOTODIODES with AMP (PDxx-yy-AMP-TEC)	EUR	USD
 <p>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</p>	1-9 pcs.	1-9 pcs.
PCB-sdetect-3P, measure and convert PD AMP signal, pulsed mode, 3 channels, 12 VDC	96,25	108,39

## PD - AMPLIFIERS

AMPLIFIERS FOR PHOTODIODES, PCB	EUR	USD
 <p>Multiboard: high gain and low noise general purpose photodiode preamplifier board</p>	1-9 pcs.	1-9 pcs.
Multiboard, general purpose photodiode amplifier board, 2 channels, +/-9.../-24 VDC	104,00	117,12
 <p>Digiboard: high gain and low noise general purpose photodiode preamplifier board with digital and analog output</p>	1-9 pcs.	1-9 pcs.
Digiboard, general purpose photodiode amplifier board, 2 channels, 5-18 VDC	176,00	198,20
 <p>AMPCON 4-20: photodiode current amplifier converts input current from 0 ... 2,5 µA to 4 ... 20 mA output current. PCB size: 13 x 26 x 8 mm, supply voltage 10..24 VDC, adjustable offset and gain</p>	1-9 pcs.	1-9 pcs.
AMPCON 4-20, general purpose photodiode current converter 0..2,5 µA to 4..20 mA	78,00	87,84
 <p>VOLTCON 0-5: photodiode voltage amplifier converts input current from 0 ... 5 µA to 0 ... 5 V output voltage. PCB size: 13 x 26 x 8 mm, supply voltage 7..24 VDC, adjustable gain</p>	1-9 pcs.	1-9 pcs.
VOLTCON 0-5, general purpose photodiode voltage converter 0..5 µA to 0..5 V	78,00	87,84
AMPLIFIERS FOR MID-IR PHOTODIODES	EUR	USD
 <p>Mini preamplifier for Mid-IR PDs works in photovoltaic mode: the board converts the amplified photodiode current into a voltage signal            - 1 channel</p>		
PCB-mpreamp, photovoltaic mode, supply voltage 5 VDC, 26 x 10 mm	70,00	78,83
 <p>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</p>	1-5 pcs.	1-5 pcs.

AM-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, for PDxx-yy series	356,00	400,90
AMT-07, 0.5kHz-1MHz, max. $6.4 \cdot 10^6$ V/A, TEC support, for PDxx-yy-TEC series	398,00	448,20

## PD - BARE CHIP DIES

355 nm - 1720 nm	EUR	USD
		
Photodiode chip dies minimum order quantity 10 pcs. (MOQ)		
410 nm - 1750 nm		
	10-99 pcs.	10-99 pcs.
PX410, InGaAs photodiode chip die, 1.0 - 1.65 um, 75 $\mu\text{m}$ active area (MOQ=10pcs)	3,85	4,34
PX511-2, InGaAs photodiode chip die, 1.0 - 1.65 um, 300 $\mu\text{m}$ active area (MOQ=10pcs)	7,60	8,56
PX611-2, InGaAs photodiode chip die, 1.0 - 1.65 um, 1 mm active area	87,10	98,09
PX711, InGaAs photodiode chip die, 1.0 - 1.65 um, 2 mm activearea	336,08	378,47
LAPD-1-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 um, 1 mm area	25,96	29,23
LAPD-1-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 um, 1 mm area	39,02	43,94
LAPD-2-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 um, 2 mm area	52,55	59,18
LAPD-2-06-17-CHIP, InGaAs photodiode chip die, 0.6 - 1.7 um, 2 mm area	78,83	88,77
LAPD-3-09-17-CHIP, InGaAs photodiode chip die, 1.0 - 1.7 um, 3 mm area	168,97	190,28

## THERMOPILES

THERMOPILE DETECTORS	EUR	USD
		
Thermopile sensors for IR temperature measurements, radiation monitoring, gas analysis <ul style="list-style-type: none"> <li>• hermetically sealed TO metal can package</li> <li>• high sensitivity</li> <li>• fast response time</li> </ul>		
	1-9 pcs.	1-9 pcs.
TS305-10C50, 5 - 14 $\mu\text{m}$ , sensitive area 0.64mm <sup>2</sup> , TO-5	6,60	7,43
TP336A, 5 - 14 $\mu\text{m}$ , 85 V/W, sensitive area Ø 545 $\mu\text{m}$ , TO-5, window Ø 2.6mm	4,98	5,61
TP336E, 5 - 14 $\mu\text{m}$ , 85 V/W, sensitive area Ø 545 $\mu\text{m}$ , TO-5, window Ø 3.8mm	4,98	5,61
TP339U, 5 - 14 $\mu\text{m}$ , 85 V/W, sensitive area Ø 545 $\mu\text{m}$ , TO-18, window Ø 3.0mm	4,98	5,61
TP339UG, 5 - 14 $\mu\text{m}$ , 85 V/W, sensitive area Ø 545 $\mu\text{m}$ , TO-18, window Ø 3.0mm	4,98	5,61

## INTERFERENCE FILTERS

INTERFERENCE FILTERS	EUR	USD
		
easy to use glued crystal assembly for generating green high quality interference filters for many science and technical applications		
further wavelengths and sizes on request		
	1-9 pcs.	1-9 pcs.
RLT-254-11-A, 254 nm, T >15%, size Ø12.7 mm x 4.7 mm	77,80	87,61
RLT-330-10-A, 330 nm, T >30%, size Ø12.7 mm x 6.6 mm	77,80	87,61
RLT-340-10-A, 340 nm, T >40%, size Ø12.7 mm x 7.3 mm	109,90	123,76
RLT-365-12-A, 365 nm, T >40%, size Ø12.7 mm x 6.3 mm	77,80	87,61
RLT-405-12-A, 405 nm, T >40%, size Ø12.7 mm x 8.3 mm	77,80	87,61
RLT-436-12-A, 436 nm, T >45%, size Ø12.7 mm x 6.6 mm	77,80	87,61
RLT-458-11-A, 458 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	151,91
RLT-488-10-A, 488 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	151,91
RLT-500-11-A, 500 nm, T >50%, size Ø12.7 mm x 5.7 mm	134,90	151,91
RLT-514.5-11-A, 514.5 nm, T >70%, size Ø12.7 mm x 5.7 mm	134,90	151,91
RLT-520-11-A, 511 nm, T >50%, size Ø12.7 mm x 5.7 mm	77,80	87,61
RLT-532-10-A, 532 nm, T >70%, size Ø12.7 mm x 5.8 mm	77,80	87,61
RLT-546-10-A, 546 nm, T >50%, size Ø12.7 mm x 5.8 mm	77,80	87,61
RLT-589-10-A, 589 nm, T >60%, size Ø12.7 mm x 5.3 mm	77,80	87,61
RLT-600-22-A, 600 nm, T >60%, size Ø12.7 mm x 5.3 mm	77,80	87,61
RLT-620-12-A, 620 nm, T >60%, size Ø12.7 mm x 5.3 mm	77,80	87,61

RLT-632.8-11-A, 632.8 nm, T >70%, size Ø12.7 mm x 2.8 mm	77,80	87,61
RLT-635-11-A, 635 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-650-11-A, 650 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-655-25-A, 655 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-658-11-A, 658 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-660-11-A, 660 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-670-11-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm	o.r.	o.r.
RLT-670-25-A, 670 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-680-11-A, 680 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-690-11-A, 690 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-780-11-A, 780 nm, T >70%, size Ø12.7 mm x 2.8 mm	75,40	84,91
RLT-785-27.5-A, 785 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	151,91
RLT-790-12.5-A, 790 nm, T >70%, size Ø12.7 mm x 3.6 mm	134,90	151,91
RLT-850-25-A, 850 nm, T >70%, size Ø12.7 mm x 2.3 mm	77,80	87,61
RLT-905-34-A, 905 nm, T >70%, size Ø12.7 mm x 3.3 mm	77,80	87,61
RLT-1064-11-A, 1064 nm, T >70%, size Ø12.7 mm x 3.6 mm	79,00	88,96

RLT-x-y-A: x = center wavelength CWL, y = HW

## OPTICAL POWER METERS

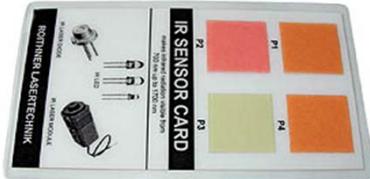
COHERENT LASER POWER METERS AND SENSORS	EUR	USD
		
Coherent laser power and energy meters, sensors and accessories, for handheld operation and laboratory use		
	1-9 pcs.	1-9 pcs.
LaserCheck, handheld laser power meter, 400..1064 nm, 0.5 µW up to 1 W	460,00	518,02
Fieldmate, laser power meter, analog and digital readout, AC/DC operation	935,55	1.053,54
Fieldmax II P, laser energy meter, USB computer interface, LCD display	1.443,75	1.625,84
Fieldmax II TO, laser power meter, USB computer interface, LCD display	1.123,50	1.265,20
Fieldmax II TOP, laser energy and power meter, USB computer interface, LCD Display	1.657,95	1.867,05
Labmax TOP, laser energy and power meter, USB and RS232 interface, data logging	2.219,70	2.499,65
AC poweradapter	o.r.	o.r.
Fieldmate softcase	o.r.	o.r.
OP-2-IR, 800..1800 nm, max. power 10 mW, active area Ø 5 mm, resolution 1 nW	994,35	1.119,76
OP-2-VIS, 400..1060 nm, max. power 50 mW, active area Ø 7.9 mm, resolution 1 nW	710,85	800,50
OP-2-UV, 250..400 nm, max. power 30 mW, active area Ø 6 mm, resolution 1 nW	855,75	963,68
J-10MB-LE, 0.19..12 µm, 300nJ - 60µJ, active area Ø 10 mm, <1 khz	1.390,20	1.565,53
J-10MB-HE, 0.19..12 µm, 10µJ - 20mJ, active area Ø 10 mm, <1 khz	1.390,20	1.565,53
J-10MT-10KHZ, 0.3..2.1 µm, 100nJ - 200µJ, active area Ø 10 mm, <10 khz	1.614,90	1.818,57

## FIBER CHECKERS

FIBERPOINT ET	fiber optic fault locator made in germany compact design for field, industrial, and laboratory use many common connectors supported for single mode/multi mode fibers Dust cap, transport case, alkaline batteries included 3 different adapters available	1-9 pcs.	1-9 pcs.
FIBERPOINT ET, 655nm, <1mW, 2.5mm, pulse & cw, 12 x 151 mm, 2 x AAA	95,00	106,98	
FIBERPOINT 250MD, 635nm, <1mW, 2.5mm, pulse & cw, 12 x 67 mm, 2 x AAA	186,40	209,91	
FP-adapter POF, for 1.5 and 2.2 mm polymer optical fibers, attenuation < 1dB	27,23	30,66	
FP-adapter SMA, for SMA 905 connector, attenuation < 1 dB	38,11	42,92	
FP-adapter 2.5-1.25, for 1.25 mm connector LC, MU, F3000, attenuation < 1dB	41,40	46,62	
OEM series	EUR	USD	

	<p>fiber checker with visible laser diode source Available wavelength: 650 nm Universal connector for most ferrules pulse and cw- mode switchable Complete and ready to use with case</p>		
OFC5-UM2-1, 650 nm, 1mW, pulse & cw, mm, 2.5 mm, 2 x AAA, not for sale in germany	1-9 pcs.	94,50	106,42
FC-M2F1-U1, pluggable adapter for OFC5 fiber checker, 2.5 mm down to 1.25 mm	24,50	27,59	
FCC-6512-5, 650 nm, 5mW, pulse & cw, mm, 2.5 mm, 2 x AAA, not for sale in germany	70,00	78,83	

## INFRARED SENSOR CARDS

INFRARED SENSOR CARDS	EUR	USD	
	universal IR sensor card type <b>ISC-4-ALL</b> for IR-light visualisation from 700 nm up to 1700 nm. Four extremely sensitive IR converting fields with each 19 x 19 mm <sup>2</sup> size. Card must be loaded with daylight or artificial light. Can be used at normal room light conditions due to highest ever noted efficiency and brightness.	1-9 pcs.	1-9 pcs.
<b>ISC-4-ALL</b> , 700...1700 nm, extreme sensitive IR sensor card, 4 fields each 361 mm <sup>2</sup>	93,00	104,73	
	infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size: 30 x 50 mm <sup>2</sup>	1-9 pcs.	1-9 pcs.
<b>HT111-30x50</b> , 808 nm, 940...990 nm, 1550 nm, active area = 15 cm <sup>2</sup> , upconverting	29,90	33,67	
<b>HT582-30x50</b> , 800...1400 nm, active area = 15 cm <sup>2</sup> , light loadable	29,90	33,67	
<b>HT612-30x50</b> , 800...1650 nm, active area = 15 cm <sup>2</sup> , light loadable	29,90	33,67	
	infrared sensor cards for IR-light visualisation. Wavelength range 800 nm up to 1650 nm, sensor size 10 x 10 mm <sup>2</sup>	1-9 pcs.	1-9 pcs.
<b>HT111-10x10</b> , 808 nm, 940...990 nm, 1550 nm, active area = 1 cm <sup>2</sup> , upconverting	8,10	9,12	
<b>HT582-10x10</b> , 800...1400 nm, active area = 1 cm <sup>2</sup> , light loadable	8,10	9,12	
<b>HT612-10x10</b> , 800...1650 nm, active area = 1 cm <sup>2</sup> , light loadable	8,10	9,12	

## LASER SAFETY DEVICES

UNIVET LASER SAFETY GOGGLES	EUR	USD	
	Professional laser safety glasses - Side protection by full frame - adjustable silicone nose bridge - adjustable soft touch earpiece - suitable over prescription glasses - case and collar included	1-9 pcs.	1-9 pcs.
<b>531.00.0.301</b> , alignment RED, <b>590-695nm: R1</b> , Polyc., VLT:32%	86,00	96,85	
<b>531.00.0.311</b> , protection RED, 190-375nm: D L4, <b>620-665nm: D L4</b> , Polyc., VLT:20%	115,00	129,50	
<b>531.00.0.307</b> , alignment GREEN, <b>440-570nm: R1</b> , Polyc., VLT:22%	113,00	127,25	
<b>531.00.0.313</b> , protection UV+GREEN, <b>190-535nm: D L5</b> , Polyc., VLT:40%	90,78	102,23	
<b>531.00.0.309</b> , protect UV+IR, 190-435nm: D L5, <b>780-1085nm: D L4</b> , Polyc., VLT:45%	101,00	113,74	
<b>531.00.0.310</b> , protect UV+Vis+IR, 190-532nm: D L5, <b>925-1080nm: D L5</b> ► <b>PHASE OUT</b>	125,00	140,77	
<b>531.00.0.329</b> , protect UV+Vis+IR, 180-532nm: D L6, <b>905-1080nm: D L5</b> , Polyc., VLT:25%	134,00	150,90	
<b>531.00.0.003</b> , protect Vis+IR, <b>670-1360nm: D L5</b> , <b>1300-3300nm: D L3</b> , Glass, VLT:40%	240,00	270,27	
<b>531.00.0.010</b> , protect IR, <b>890-1400nm: D L6</b> , <b>1400-3300nm: D L4</b> , Glass, VLT:62%	285,00	320,94	

	<p>Professional laser safety glasses</p> <ul style="list-style-type: none"> <li>- Lightweight design</li> <li>- Side protection</li> <li>- silicone nose bridge</li> <li>- soft touch earpiece</li> <li>- case and collar included</li> </ul>		
546L.00.10.553, protection UV+BLUE+GREEN, 180-534nm: L6, Polyc., VLT:40%		1-9 pcs.	1-9 pcs.

546L.00.10.553, protection UV+BLUE+GREEN, 180-534nm: L6, Polyc., VLT:40%	58,00	65,31
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## LASER POINTERS - VIOLET

VIOLET LASER POINTER RLP-405	EUR	USD	
	Violet diode laser pointer  <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>	1-4 pcs.	1-4 pcs.
RLP-405-01, <b>405 nm</b> , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	49,00	55,18	
RLP-405-05, <b>405 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	55,00	61,94	
RLP-405-10, <b>405 nm</b> , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	59,00	66,44	
RLP-405-50, <b>405 nm</b> , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	112,00	126,13	
RLP-405-100, <b>405 nm</b> , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	128,00	144,14	
VIOLET LASER POINTER GLP-405	EUR	USD	
	GLP series, 405 nm laser diode, 5-20mW, for science and <b>fluorescence excitation</b> applications. 405 nm laserlight is close to the limit of the human visibility, spot brightness on normal targets is poor. 2 x CR2 batteries, included <b>405 nm</b>	1-4 pcs.	1-4 pcs.
GLP-405-5, <b>405 nm</b> , 5 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	112,00	126,13	
GLP-405-10, <b>405 nm</b> , 10 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	121,00	136,26	
GLP-405-20, <b>405 nm</b> , 20 mW, cw, 2 x CR2, 80 g, size 17 x 150 mm	130,00	146,40	
VIOLET LASER POINTER CSI-405	EUR	USD	
	CSI series, 405 nm laser diode, 5-50 mW, for science and <b>fluorescence excitation</b> applications. 405 nm laserlight is close to the limit of the human visibility, spot brightness on normal targets is poor. <b>405 nm</b>	1-4 pcs.	1-4 pcs.
CSI-405-200, <b>405 nm</b> , 200 mW, cw, 13 x 160 mm, 85g, 2 x 1.5V AAA battery (3.0 VDC)	106,00	119,37	

## LASER POINTERS - BLUE

ROYAL BLUE DIODE LASER POINTER RLP-450 series	EUR	USD	
	Royalblue diode laser pointer  <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>	1-4 pcs.	1-4 pcs.
RLP-450-01, <b>450 nm</b> , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	92,34	
RLP-450-05, <b>450 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, <b>with ROITHNER logo</b>	84,00	94,59	
RLP-450-10, <b>450 nm</b> , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	89,00	100,22	
RLP-450-50, <b>450 nm</b> , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	129,00	145,27	
ROYAL BLUE LASER POINTERS	EUR	USD	

	<ul style="list-style-type: none"> <li>- direct emitting blue laser diode</li> <li>- Automatic Power Control (APC)</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p><b>450 nm</b></p>		
ROITHNER 450, <b>450 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
<b>LASER POINTERS - GREEN</b>			
<b>GREEN DIODE LASER POINTER RLP-520 series</b>	<b>EUR</b>	<b>USD</b>	
	<p>Green diode laser pointer</p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul>		
RLP-520-01, <b>520 nm</b> , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	92,34	
RLP-520-05, <b>520 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, <b>with ROITHNER logo</b>	84,00	94,59	
RLP-520-10, <b>520 nm</b> , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	89,00	100,22	
RLP-520-20, <b>520 nm</b> , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	99,00	111,49	
<b>GREEN DIRECT EMITTING ROITHNER 520</b>	<b>EUR</b>	<b>USD</b>	
	<p>Green diode laser pointer:</p> <ul style="list-style-type: none"> <li>- Automatic Power Control (APC)</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p><b>520 nm</b></p>		
ROITHNER 520, <b>520 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,90	78,72	
<b>GREEN DIODE LASER POINTER GDP series</b>	<b>EUR</b>	<b>USD</b>	
	<p>Green diode laser pointer</p> <ul style="list-style-type: none"> <li>- low operating current</li> <li>- qcw, short focus (1 m)</li> <li>- wide operating temperature (-10°C..+40°C)</li> <li>- alkaline batteries included</li> </ul> <p><b>520 nm</b></p>		
GDP-520-1, 520 nm, 1 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery	77,00	86,71	
GDP-520-5, 520 nm, 5 mW, qcw, ON-LED, 80 g, 13x160mm, 2 x 1.5V AAA battery	88,00	99,10	
<b>GREEN DPSS LASER POINTER RLP-532 series</b>	<b>EUR</b>	<b>USD</b>	
	<p>Green DPSS laser pointer</p> <ul style="list-style-type: none"> <li>- IR filter</li> <li>- Automatic Power Control (APC)</li> <li>- Control LED</li> <li>- Safety Keylock</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p><b>532 nm</b></p>		
RLP-532-01, <b>532 nm</b> , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	49,00	55,18	
RLP-532-05, <b>532 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, <b>with ROITHNER logo</b>	52,00	58,56	
RLP-532-10, <b>532 nm</b> , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	59,00	66,44	
RLP-532-20, <b>532 nm</b> , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	180,18	
RLP-532-50, <b>532 nm</b> , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	180,00	202,70	
RLP-532-100, <b>520 nm</b> , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	240,00	270,27	
<b>GREEN DPSS ROITHNER 532</b>	<b>EUR</b>	<b>USD</b>	

	<p><b>Green DPSS laser pointer:</b></p> <ul style="list-style-type: none"> <li>- IR filter</li> <li>- Automatic Power Control (APC)</li> <li>- transport case &amp; batteries included</li> <li>- metal housing, chrome polished</li> </ul> <p><b>532 nm</b></p>		
ROITHNER 532, <b>532 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.
<b>GREEN DPSS S200 series</b>		<b>EUR</b>	<b>USD</b>
	<p><b>S200 green laser pointer:</b> 532nm, silvergrey metal body with clip, excellent beam quality, batteries included</p> <p><b>532 nm</b></p>		
S200-5R, <b>532 nm</b> , <5 mW, cw, 13 x 155 mm, 81 g, metal housing, 2 x 1.5V AAA battery		29,90	33,67
<b>GREEN DPSS JLP series</b>		<b>EUR</b>	<b>USD</b>
	<p><b>JLP green laser pointer:</b> 532nm, black metal body with clip, excellent beam quality, batteries included</p> <p><b>532 nm</b></p>		
JLP-5G, <b>532 nm</b> , <5 mW, cw, 13 x 130 mm, 67 g, metal housing, 2 x 1.5V AAA battery		25,90	29,17
<b>GREEN DPSS GPL-105</b>		<b>EUR</b>	<b>USD</b>
	<p><b>GPL series:</b> 532nm cw laser pointer, polished metal body with clip, excellent beam quality, black metal transport case and batteries included</p> <p><b>532 nm</b></p>		
GPL-105, <b>532 nm</b> , <5 mW, cw, 13 x 150 mm, 71 g, 2 x 1.5V AAA battery		33,00	37,16
<b>GREEN DPSS GPL HIGH POWER series</b>		<b>EUR</b>	<b>USD</b>
	<p><b>GPL series:</b> 532nm cw laser pointer, aluminium body with clip, transport case and batteries included. <b>Up to 200mW</b></p> <p><b>532 nm</b></p>		
GPL-20, <b>532 nm</b> , >20 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery		84,00	94,59
GPL-30, <b>532 nm</b> , >30 mW, cw, 13 x 160 mm, 94 g, 2 x 1.5V AAA battery		89,00	100,22
<b>GREEN DPSS GLP532 series</b>		<b>EUR</b>	<b>USD</b>
	<p><b>GLP532 series:</b> Green cw laser pointer, metal body with clip, <b>black soft touch coating</b>, excellent beam quality, transport case and batteries included</p> <p><b>532 nm</b></p>		
GLP532-5-3, <b>532 nm</b> , 5 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		45,00	50,68
GLP532-10-3, <b>532 nm</b> , 10 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		57,00	64,19
GLP532-20-3, <b>532 nm</b> , 20 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		74,00	83,33
GLP532-30-3, <b>532 nm</b> , 30 mW, cw, 13 x 162 mm, 90 g, 2 x 1.5V AAA battery		84,00	94,59
<b>LASER POINTERS - DUAL WAVELENGTH</b>			
<b>GREEN-RED LASER POINTER</b>		<b>EUR</b>	<b>USD</b>

	<b>GRP532-655</b> green-red laser pointer 532 nm and 650 nm, cw mode, metal housing, <b>2 push buttons</b> : laser green, laser red, laser red + green, high quality mechanical design, excellent beam quality <b>532, 650 nm</b>		
GRP532-655, <b>532 nm and 650 nm</b> , <5 mW, cw, 2 x AAA, size 13.5 x 157 mm		1-4 pcs.	1-4 pcs. 55,00 61,94

## LASER POINTERS - REMOTE

GREEN DPSS LASER POINTER REMOTE PRESENTER	EUR	USD
	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 <b>532 nm</b>	
GLP532-REMOTE, <b>532 nm</b> , <5 mW, cw, remote, 2 x AAA, size 14.5 x 152 mm	1-4 pcs.	1-4 pcs. 89,00 100,22

## LASER POINTERS - RECHARGEABLE

SHP532 series	EUR	USD
	USB rechargeable laser pointer polished metal body with status LED and clip, transport case and USB cable included, recharge at your laptop's USB port <b>532 nm</b>	
	1-4 pcs.	1-4 pcs.
SHP532-1RE, <b>532 nm</b> , <1 mW, cw, rechargeable, APC, ON-LED, laser class 2	39,90	44,93
SHP532-5RE, <b>532 nm</b> , <5 mW, cw, rechargeable, ON-LED	45,00	50,68

## LASER POINTERS - RED

RED DIODE LASER POINTER RLP-635 series	EUR	USD
	Red diode laser pointer - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished	
	1-4 pcs.	1-4 pcs.
RLP-635-01, <b>635 nm</b> , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	29,90	33,67
RLP-635-05, <b>635 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, with ROITHNER logo	29,90	33,67
RLP-635-10, <b>635 nm</b> , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	36,00	40,54
RLP-635-20, <b>635 nm</b> , <20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	88,00	99,10
RED LASER POINTER ROITHNER 635	EUR	USD
	Red diode laser pointer: - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished <b>635 nm</b>	
	1-4 pcs.	1-4 pcs.
ROITHNER 635, <b>635 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	21,90	24,66
RED LASER POINTERS LP series	EUR	USD

	red laser pointer, 635 nm, cw-operation, black metal body with clip, status LED		
635 nm		1-4 pcs.	1-4 pcs.
LP-635-7, <b>635 nm</b> , 7 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery		39,00	43,92
<b>RED LASER POINTERS LS series</b>		EUR	USD
	red laser pointer, low cost, cw-operation, black metal body with clip, transport case and batteries included		
645 nm		1-4 pcs.	1-4 pcs.
LS-11, <b>645 nm</b> , 3.5 mW, 11 x 135 mm, 48 g, 2 x 1.5V AAA battery		16,96	19,10
<b>RED DIODE LASER POINTER RLP-650 series</b>		EUR	USD
	Red diode laser pointer  - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished		
		1-4 pcs.	1-4 pcs.
RLP-650-01, <b>655 nm</b> , <1 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		28,90	32,54
RLP-650-05, <b>655 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, <b>with ROITHNER logo</b>		28,90	32,54
RLP-650-10, <b>655 nm</b> , <10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		34,00	38,29
RLP-650-30, <b>655 nm</b> , <30 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		84,00	94,59
<b>RED LASER POINTER ROITHNER 650</b>		EUR	USD
	Red diode laser pointer:  - Automatic Power Control (APC) - transport case & batteries included - metal housing, chrome polished		
655 nm		1-4 pcs.	1-4 pcs.
ROITHNER 650, <b>655 nm</b> , <5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		19,90	22,41
<b>LASERPOINTERS - IR - 780 nm</b>			
<b>INFRARED DIODE LASER POINTER RLP-780 series</b>		EUR	USD
	IR diode laser pointer  - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished		
		1-4 pcs.	1-4 pcs.
RLP-780-10, <b>780 nm</b> , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		78,00	87,84
RLP-780-50, <b>780 nm</b> , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery		96,00	108,11
<b>INFRARED LASER POINTERS LP-780</b>		EUR	USD
	IR laser pointer,cw-operation, body with clip, status LED, alkaline batteries and transport case included		
780 nm		1-4 pcs.	1-4 pcs.
LP-780-2, <b>780 nm</b> , 2 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery		14,00	15,77

## LASERPOINTERS - IR - 808 nm

INFRARED DIODE LASER POINTER RLP-808 series	EUR	USD
 <p>IR diode laser pointer            - Automatic Power Control (APC)            - Control LED            - Safety Keylock            - transport case &amp; batteries included            - metal housing, chrome polished</p>	1-4 pcs.	1-4 pcs.
RLP-808-10, 808 nm, 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	56,00	63,06
RLP-808-100, 808 nm, 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	69,00	77,70
RLP-808-200, 808 nm, 200 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	98,00	110,36
INFRARED LASER POINTERS SHP808 series	EUR	USD
 <p>IR laser pointer, 808 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included</p>		
808 nm	1-4 pcs.	1-4 pcs.
SHP808-100, 808 nm, <100 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	54,00	60,81
SHP808-200, 808 nm, <200 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	64,00	72,07
INFRARED LASER POINTERS PIL-808 series	EUR	USD
 <p>infrared laser pointer, 808 nm, cw-operation, black metal body with clip, status LED, security key lock system available</p>		
808 nm	1-4 pcs.	1-4 pcs.
PIL-808-100, 808 nm, 100 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	98,00	110,36
PIL-808-200, 808 nm, 200 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	116,00	130,63

## LASERPOINTERS - IR - 830 nm

INFRARED DIODE LASER POINTER RLP-830 series	EUR	USD
 <p>IR diode laser pointer            - Automatic Power Control (APC)            - Control LED            - Safety Keylock            - transport case &amp; batteries included            - metal housing, chrome polished</p>	1-4 pcs.	1-4 pcs.
RLP-830-10, 830 nm, 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	76,00	85,59
RLP-830-20, 830 nm, 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	88,00	99,10

## LASERPOINTERS - IR - 850 nm

INFRARED DIODE LASER POINTER RLP-850 series	EUR	USD
 <p>IR diode laser pointer            - Automatic Power Control (APC)            - Control LED            - Safety Keylock            - transport case &amp; batteries included            - metal housing, chrome polished</p>	1-4 pcs.	1-4 pcs.
RLP-850-10, 850 nm, 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	92,34
RLP-850-30, 850 nm, 30 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	94,00	105,86
INFRARED LASER POINTERS LP-850 series	EUR	USD

	IR laser pointer,cw-operation, body with clip, status LED, alkaline batteries and transport case included <b>850 nm</b>		
LP-850-3, <b>850 nm</b> , 3 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery		1-4 pcs.	1-4 pcs.

LP-850-3, <b>850 nm</b> , 3 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	42,00	47,30
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## LASERPOINTERS - IR - 980 nm

INFRARED DIODE LASER POINTER RLP-980 series	EUR	USD	
	IR diode laser pointer <ul style="list-style-type: none"><li>- Automatic Power Control (APC)</li><li>- Control LED</li><li>- Safety Keylock</li><li>- transport case &amp; batteries included</li><li>- metal housing, chrome polished</li></ul>	1-4 pcs.	1-4 pcs.
RLP-980-10, <b>980 nm</b> , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	58,00	65,31	
RLP-980-20C, <b>980 nm</b> , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	64,00	72,07	
RLP-980-20F, <b>980 nm</b> , 20 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, focused @ 2cm	77,00	86,71	
RLP-980-50C, <b>980 nm</b> , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	82,00	92,34	
RLP-980-50F, <b>980 nm</b> , 50 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery, focused @ 2cm	99,00	111,49	
RLP-980-100, <b>980 nm</b> , 100 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	120,00	135,13	
RLP-980-200, <b>980 nm</b> , 200 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	140,00	157,66	
RLP-980-300, <b>980 nm</b> , 300 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	180,18	

INFRARED LASER POINTERS LP-980 series	EUR	USD	
	IR laser pointer,cw-operation, body with clip, status LED, alkaline batteries and transport case included <b>980 nm</b>	1-4 pcs.	1-4 pcs.
LP-980-25, <b>980 nm</b> , 25 mW, 11 x 137 mm, 55 g, 2 x 1.5V AAA battery	52,00	58,56	

INFRARED LASER POINTERS SHP980 series	EUR	USD	
	IR laser pointer, 980 nm, cw-operation, polished metal body with clip, status LED, alkaline batteries and transport case included <b>980 nm</b>	1-4 pcs.	1-4 pcs.
SHP980-25, <b>980 nm</b> , 25 mW, 13 x 130 mm, 60 g, 2 x 1.5V AAA battery	42,00	47,30	
SHP980-25F, <b>980 nm</b> , 25 mW, 13 x 130 mm, focused @ 2 cm	48,00	54,05	

INFRARED LASER POINTERS PIL-980 series	EUR	USD	
	infrared laser pointer, 980 nm, cw-operation, black metal body with clip, status LED, security key lock system available <b>980 nm</b>	1-4 pcs.	1-4 pcs.
PIL-980-10, <b>980 nm</b> , 10 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	143,00	161,04	
PIL-980-100, <b>980 nm</b> , 10 mW, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	189,00	212,84	

## LASERPOINTERS - IR - 1064 nm

INFRARED LASER POINTERS PIL series	EUR	USD
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	infrared laser pointer, 808, 980 and 1064 nm, cw-operation, black metal body with clip, status LED, security key lock system available <b>1064 nm</b>		
PIL-1064-3, <b>1064 nm</b> , 3 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	180,00	202,70	
PIL-1064-5, <b>1064 nm</b> , 5 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	185,00	208,33	
GPLIR-20, <b>1064 nm</b> , 20 mW, DPSS, IR-pointer, 2 x 1.5V AAA battery	162,00	182,43	
PIL-1064-20, <b>1064 nm</b> , 20 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	192,00	216,22	
PIL-1064-30, <b>1064 nm</b> , 30 mW, DPSS, 14 x 167 mm, 85 g, 2 x 1.5V AAA battery	198,00	222,97	

## LASERPOINTERS - IR - 1310 nm

INFRARED DIODE LASER POINTER RLP-1310 series	EUR	USD
	IR diode laser pointer  - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished	
	1-4 pcs.	1-4 pcs.
RLP-1310-03, <b>1310 nm</b> , 3 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	174,00	195,94
RLP-1310-05, <b>1310 nm</b> , 5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	215,00	242,12
RLP-1310-10, <b>1310 nm</b> , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	269,00	302,93

## LASERPOINTERS - IR - 1550 nm

INFRARED DIODE LASER POINTER RLP-1550 series	EUR	USD
	IR diode laser pointer  - Automatic Power Control (APC) - Control LED - Safety Keylock - transport case & batteries included - metal housing, chrome polished	
	1-4 pcs.	1-4 pcs.
RLP-1550-03, <b>1550 nm</b> , 3 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	160,00	180,18
RLP-1550-05, <b>1550 nm</b> , 5 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	190,00	213,96
RLP-1550-10, <b>1550 nm</b> , 10 mW, cw, ON-LED, 75 g, 2 x 1.5V AAA battery	240,00	270,27

INFRARED LASER POINTERS OEM series	EUR	USD
	customized infrared laser pointers  several wavelengths available, cw-operation batteries included	
	1-4 pcs.	1-4 pcs.
OEM-1550-05, <b>1550 nm</b> , 5 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery	285,00	320,94
OEM-1550-10, <b>1550 nm</b> , 10 mW, 25 x 15 x 115 mm, 50 g, 2 x 1.5V AAA battery	310,00	349,10

## UV-LED MINI FLASHLIGHTS

	EUR	USD
	reliable and handheld light sources with UV-LEDs  available wavelengths 350 nm .. 405 nm	
<b>RLT-283U</b>	1-9 pcs.	1-9 pcs.
RLT-284U, <b>380 nm</b> , 1.5-2.0 mW, slotted case head, eye safe, 3 x LR43	10,39	11,70
RLT-287U, <b>380 nm</b> , 1.5-2.0 mW, ball point pen design, 4 x AG3 ( <b>not included</b> )	4,99	5,62

RLT-CHECKER-385, 385 nm, 2.0 - 4.0 mW, 30°, 4 x AG3 (not included)	3,33	3,75
AL-513UV-A, 395 nm, 5.6 mW, necklace, 11.6 x 3.1 mm, 3 x LR1130 (not included)	5,10	5,74

## UV-LED FLASHLIGHTS

UV-LED FLASHLIGHTS	EUR	USD
	UV-LED flashlight series, wavelength range from 355 nm up to 375 nm standard wavelength: 365 nm, 370 nm, 375 nm	1-9 pcs. 1-9 pcs.
NS370HBL, UV-LED flashlight, 370 nm, 180 mW, 45 LEDs, 4 x AAA, 226 g, 55 x 150 mm	318,00	358,11
UV-LED FLASHLIGHTS	EUR	USD
	UV High power flashlight series <ul style="list-style-type: none"><li>- 365nm &amp; 380nm</li><li>- 1 x 18650 Li-Ion rechargeable battery (included)</li><li>- Charger included</li></ul> For checking of security markers in bank notes, credit cards, etc.	1-9 pcs. 1-9 pcs.
UVCheck-3653W, UV-LED flashlight, 365nm, 134x31mm 133g	48,00	54,05
UVCheck-3803W, UV-LED flashlight, 380nm, 134x31mm 133g	36,00	40,54

## HIGH POWER FLASHLIGHTS

WHITE 1 W LED FLASHLIGHT	EUR	USD
	LUMILEDS 1W LED military type II anodizing  35 lm	1-9 pcs. 1-9 pcs.
TK01-1CR123-2AA-1W, white, 35 lm, 160 x 28 mm, CR123 or 2 x AA batteries	36,50	41,10
WHITE 3 W LED FLASHLIGHT	EUR	USD
	LUMILEDS 3W LED military type II anodizing  65 lm	1-9 pcs. 1-9 pcs.
TK01-2CR123-3W, white, 65 lm, 130 x 35 mm, 2 x CR123 batteries	39,90	44,93
WHITE RAPID ZOOM LED FLASHLIGHTS	EUR	USD
	<b>Small size</b> rapid zoom focusing, changeable from long distance spot to broad room illumination, wrist strap and belt bag included  90 lm	1-9 pcs. 1-9 pcs.
RLT-P2-ZOOM, white, 90 lm, 109 x 29 mm, 78 g, 1 x AA alkaline batteries	16,80	18,92
	Rapid zoom focusing, changeable from long distance spot to broad room illumination wrist strap and belt bag included  90 lm	1-9 pcs. 1-9 pcs.
RLT-P4-ZOOM, white, 80 lm, 113 x 35 mm, 135 g, 3 x AAA alkaline batteries	21,90	24,66

	Rapid zoom focusing black anodized aluminium body <b>high power 3W single chip design</b> <b>365-940 nm</b>		
RLT-X365-ZOOM, <b>365 nm</b> , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries	1-9 pcs.	o.r.	o.r.
RLT-X380-ZOOM, <b>380 nm</b> , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X400-ZOOM, <b>400 nm</b> , 113 x 35 mm, glass lens, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X415-ZOOM, <b>415 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X470-ZOOM, <b>470 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X520-ZOOM, <b>520 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X620-ZOOM, <b>620 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X660-ZOOM, <b>660 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X850-ZOOM, <b>850 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
RLT-X940-ZOOM, <b>940 nm</b> , 113 x 35 mm, 135 g, 3 x AAA alkaline batteries		o.r.	o.r.
	Rapid zoom focusing, <b>exceptional brightness</b> , anodized aluminium body		
RLT-P6-ZOOM-XPG, <b>white</b> , 500 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries	1-9 pcs.	92,00	103,60
RLT-P6-ZOOM-XML, <b>white</b> , 750 lm, 199 x 42 mm, 445 g, 3 x "C" type alkaline batteries		123,00	138,51

## HID FLASHLIGHTS

HID FLASHLIGHTS FOR TACTICAL AND PROFESSIONAL USE	EUR	USD
 High intensity discharge flashlight series - focusable beam - rechargeable Li-Ion battery - power supply included <b>530 - 1800 lm</b>	1-9 pcs.	1-9 pcs.
HID-10-530-R, HID flashlight, max. 530 lumen, 10W HID lamp, Li-Ion battery, 110 min	456,00	513,51
HID-365, UV filter, <365 nm for HID flashlight series, color glass filter type	127,00	143,02
HID-850, IR filter, >850 nm for HID flashlight series, color glass filter type	127,00	143,02

## LED HEADLAMPS

WHITE RAPID ZOOM LED HEADLAMP	EUR	USD
 RLT-P4-HEAD-ZOOM 3W high power LED rapid zoom focusing, changeable from long distance spot to broad room illumination, <b>160 lm</b>	1-9 pcs.	1-9 pcs.
RLT-P4-HEAD-ZOOM, <b>white</b> , 160 lm, 43 x 90 x 90 mm, 77 g, 3 x AAA alkaline batteries	19,90	22,41
WHITE 1 W LED HEADLAMP	EUR	USD
 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	1-9 pcs.	1-9 pcs.
TH06-1W, <b>white</b> , max. 35 lumen, 1 W LED, 2 x AA alkaline batteries	14,90	16,78

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