

Components



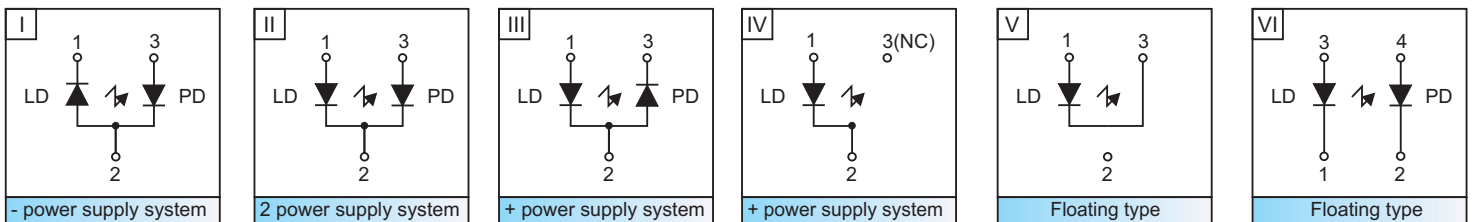
Laser Diodes

Sanyo



Laser Diodes 405nm	Wave length	Max. Output	Operating Temp	Case	PIN
DL-3146-151	405 nm	7 mW	-10 to 60 °C	5.6 mm	II
DL-4146-101S	405 nm	20 mW	0 to 75 °C	5.6 mm	II
DL-4146-301S	405 nm	20 mW	0 to 75 °C	5.6 mm	V
DL-5146-101S	405 nm	45 mW	0 to 75 °C	5.6 mm	II
DL-5146-152	405 nm	35 mW	0 to 60 °C	5.6 mm	II
DL-7146-101S	405 nm	85 mW	0 to 75 °C	5.6 mm	II
DL-LS5017	405 nm	60 mW	0 to 50 °C	5.6 mm	V
Laser Diodes 635-638nm	Wave length	Max. Output	Operating Temp	Case	PIN
DL-3148-013	635 nm	7 mW	-10 to 40 °C	5.6 mm	I
DL-3148-025	635 nm	6 mW	-10 to 40 °C	5.6 mm	I
DL-3148-037	635 nm	7 mW	-10 to 50 °C	5.6 mm	I
DL-3148-235	635 nm	3 mW	-10 to 50 °C	5.6 mm	III
DL-4038-031	635 nm	10 mW	-10 to 50 °C	9.0 mm	I
DL-4148-021	635 nm	12 mW	-10 to 40 °C	5.6 mm	I
DL-4148-031	635 nm	10 mW	-10 to 50 °C	5.6 mm	I
DL-6148-030	638 nm	40 mW	-10 to 50 °C	5.6 mm	I
DL-5148-030	638 nm	25 mW	-10 to 50 °C	5.6 mm	I
Laser Diodes 640-650nm	Wave length	Max. Output	Operating Temp	Case	PIN
DL-LS1193	643 nm	80 mW	-10 to 50 °C	5.6 mm	III
DL-3147-031	650 nm	7 mW	-10 to 50 °C	5.6 mm	I
DL-3147-060	650 nm	7 mW	-10 to 50 °C	5.6 mm	I
DL-3147-085	650 nm	7 mW	-10 to 80 °C	5.6 mm	I
DL-3147-185	650 nm	7 mW	-10 to 80 °C	5.6 mm	II

PIN Connection



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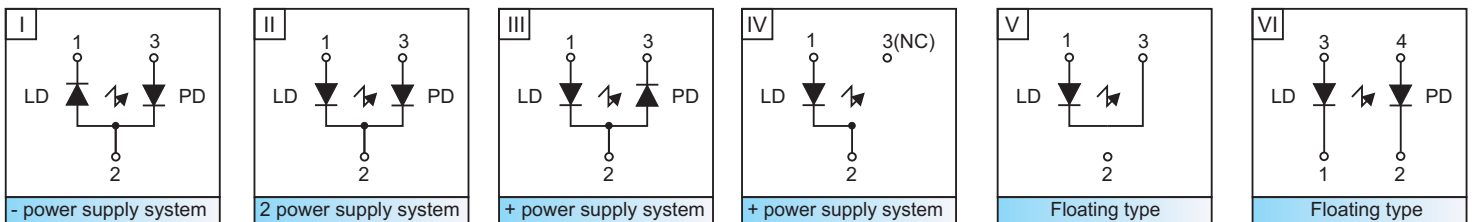
Laser Diodes

Sanyo



Laser Diodes 640-650nm	Wave length	Max. Output	Operating Temp	Case	PIN
DL-3147-260	650 nm	7 mW	-10 to 70 °C	5.6 mm	III
DL-3147-285	650 nm	7 mW	-10 to 80 °C	5.6 mm	III
DL-4147-062	650 nm	12 mW	-10 to 70 °C	5.6 mm	I
DL-4147-162	650 nm	12 mW	-10 to 70 °C	5.6 mm	II
DL-4147-262	650 nm	12 mW	-10 to 70 °C	5.6 mm	III
Laser Diodes 655-670nm	Wave length	Max. Output	Operating Temp	Case	PIN
DL-6147-040	658 nm	40 mW	-10 to 60 °C	5.6 mm	I
DL-6147-240	658 nm	40 mW	-10 to 60 °C	5.6 mm	III
DL-7147-201	658 nm	60 mW	-10 to 75 °C	5.6 mm	IV
DL-7147-261	658 nm	80 mW	-10 to 70 °C	5.6 mm	IV
DL-3149-057	670 nm	7 mW	-10 to 60 °C	5.6 mm	I
Laser Diodes 785-835nm	Wave length	Max. Output	Operating Temp	Case	PIN
DL-3144-008S	785 nm	8 mW	-10 to 60 °C	5.6 mm	I
DL-4140-001S	785 nm	25 mW	-10 to 60 °C	5.6 mm	I
DL-7140-001S	785 nm	80 mW	-10 to 60 °C	5.6 mm	I
DL-7140-201S	785 nm	80 mW	-10 to 60 °C	5.6 mm	III
DL-8142-201	830 nm	150 mW	-10 to 50 °C	5.6 mm	III
DL-LS2113	830 nm	210 mW	-10 to 50 °C	5.6 mm	III
DL-8031-031	808 nm	160 mW	-10 to 50 °C	9.0 mm	I
DL-8141-035A	808 nm	160 mW	-10 to 50 °C	5.6 mm	I
DL-8141-035B	808 nm	160 mW	-10 to 50 °C	5.6 mm	I
DL-8141-035C	808 nm	160 mW	-10 to 50 °C	5.6 mm	I
DL-8141-002	808 nm	200 mW	-10 to 50 °C	5.6 mm	I
DL-LS2110	835 nm	350 mW	-10 to 50 °C	5.6 mm	III

PIN Connection

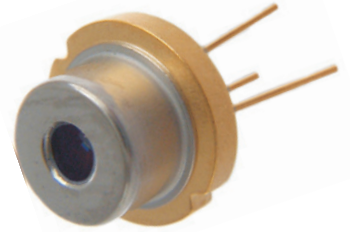


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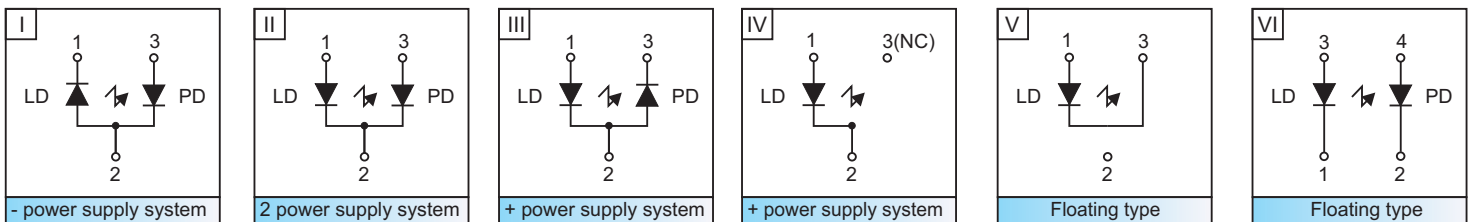
Laser Diodes

Opnext



Laser Diodes 635-639nm	Wave length	Max. Output	Operating Temp	Case	PIN
HL6340MG	635 nm	5 mW	-10 to 50 °C	5.6 mm	I
HL6313G	635 nm	5 mW	-10 to 50 °C	9.0 mm	III
HL6314MG	635 nm	3 mW	-10 to 50 °C	5.6 mm	I
HL6316G	635 nm	3 mW	-10 to 50 °C	9.0 mm	I
HL6319G	635 nm	10 mW	-10 to 50 °C	9.0 mm	III
HL6320G	635 nm	10 mW	-10 to 50 °C	9.0 mm	I
HL6321G	635 nm	15 mW	-10 to 50 °C	9.0 mm	III
HL6322G	635 nm	15 mW	-10 to 50 °C	9.0 mm	I
HL6323MG	635 nm	35 mW	-10 to 50 °C	5.6 mm	I
HL6324MG	635 nm	3 mW	-10 to 50 °C	5.6 mm	III
HL6325G	635 nm	5 mW	-10 to 60 °C	9.0 mm	III
HL6326G	635 nm	5 mW	-10 to 60 °C	9.0 mm	I
HL6327MG	635 nm	5 mW	-10 to 50 °C	5.6 mm	III
HL6328MG	635 nm	5 mW	-10 to 50 °C	5.6 mm	I
HL6331G	635 nm	10 mW	-10 to 60 °C	9.0 mm	III
HL6332G	635 nm	10 mW	-10 to 60 °C	9.0 mm	I
HL6333MG	635 nm	10 mW	-10 to 50 °C	5.6 mm	III
HL6334MG	635 nm	10 mW	-10 to 50 °C	5.6 mm	I
HL6335G	635 nm	5 mW	-10 to 50 °C	9.0 mm	I
HL6357MG	635 nm	5 mW	-10 to 50 °C	5.6 mm	III
HL6336G	635 nm	5 mW	-10 to 50 °C	9.0 mm	III
HL6341MG	635 nm	5 mW	-10 to 50 °C	5.6 mm	III
HL6343G	635 nm	10 mW	-10 to 50 °C	9.0 mm	III
HL6344G	635 nm	10 mW	-10 to 50 °C	9.0 mm	I
HL6347MG	635 nm	10 mW	-10 to 50 °C	5.6 mm	III
HL6348MG	635 nm	10 mW	-10 to 50 °C	5.6 mm	I
HL6354MG	635 nm	7 mW	-10 to 50 °C	5.6 mm	I

PIN Connection

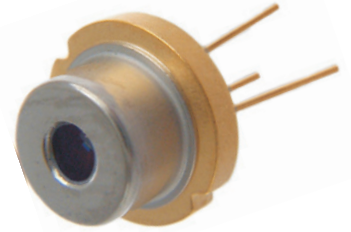


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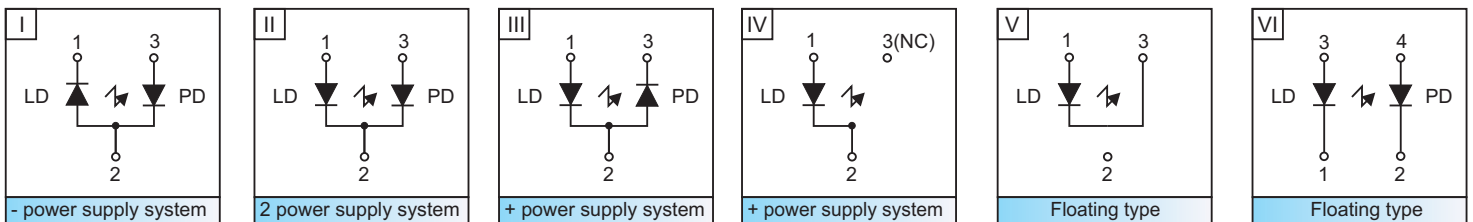
Laser Diodes

Opnext



Laser Diodes 635-639nm	Wave length	Max. Output	Operating Temp	Case	PIN
HL6355MG	635 nm	7 mW	-10 to 50 °C	5.6 mm	III
HL6356MG	635 nm	5 mW	-10 to 50 °C	5.6 mm	I
HL6358MG	639 nm	12 mW	-10 to 50 °C	5.6 mm	I
HL6359MG	639 nm	12 mW	-10 to 50 °C	5.6 mm	III
HL6360MG	639 nm	25 mW	-10 to 50 °C	5.6 mm	I
HL6361MG	639 nm	25 mW	-10 to 50 °C	5.6 mm	III
HL6388MG	637 nm	250 mW	-10 to 50 °C	5.6 mm	IV
Laser Diodes 640-650nm	Wave length	Max. Output	Operating Temp	Case	PIN
HL6362MG	640 nm	45 mW	-10 to 50 °C	5.6 mm	I
HL6363MG	640 nm	45 mW	-10 to 50 °C	5.6 mm	III
HL6364DG	642 nm	65 mW	-10 to 50 °C	5.6 mm	I
HL6365DG	642 nm	65 mW	-10 to 50 °C	5.6 mm	III
HL6366DG	642 nm	90 mW	-10 to 50 °C	5.6 mm	I
HL6367DG	642 nm	90 mW	-10 to 50 °C	5.6 mm	III
HL6376DG	642 nm	65 mW	-10 to 50 °C	5.6 mm	II
HL6378DG	642 nm	90 mW	-10 to 50 °C	5.6 mm	II
HL6385DG	642 nm	150 mW	-10 to 40 °C	5.6 mm	IV
Laser Diodes 650-690nm	Wave length	Max. Output	Operating Temp	Case	PIN
HL6501MG	658 nm	50 mW	-10 to 60 °C	5.6 mm	III
HL6512MG	658 nm	70 mW	-10 to 70 °C	5.6 mm	IV
HL6513FM	658 nm	70 mW	-10 to 70 °C	5.6 mm	V
HL6525MG	658 nm	140 mW	-10 to 75 °C	5.6 mm	IV
HL6526FM	658 nm	140 mW	-10 to 75 °C	5.6 mm	V
HL6545MG	660 nm	300 mW	-10 to 75 °C	5.6 mm	IV
HL6548FG	660 nm	100 mW	-10 to 60 °C	9.0 mm	VI
HL6553FG	660 nm	130 mW	-10 to 60 °C	9.0 mm	VI
HL6554MG	658 nm	12 mW	-10 to 70 °C	5.6 mm	I

PIN Connection

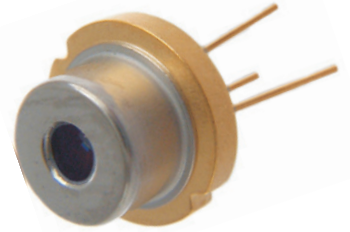


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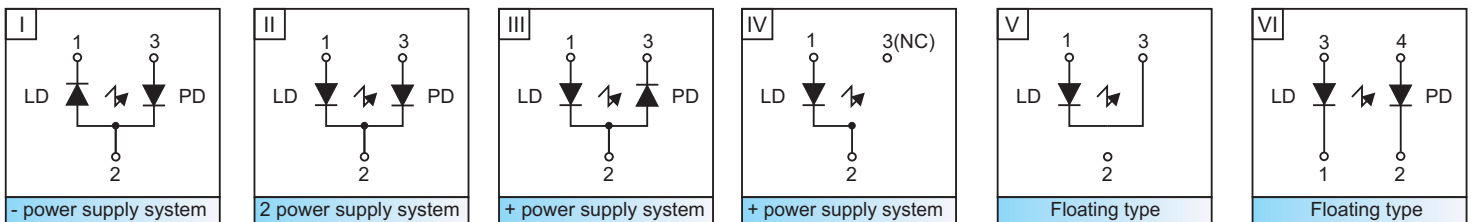
Laser Diodes

Opnext



Laser Diodes 650-690nm	Wave length	Max. Output	Operating Temp	Case	PIN
HL6555G	664 nm	70 mW	-10 to 60 °C	9.0 mm	I
HL6556MG	658 nm	12 mW	-10 to 70 °C	5.6 mm	II
HL6557MG	658 nm	12 mW	-10 to 70 °C	5.6 mm	III
HL6714G	670 nm	10 mW	-10 to 50 °C	9.0 mm	I
HL6724MG	670 nm	5 mW	-10 to 50 °C	5.6 mm	I
HL6738MG	690 nm	35 mW	-10 to 70 °C	5.6 mm	I
HL6740FG	675 nm	5 mW	-10 to 50 °C	9.0 mm	III
HL6748MG	670 nm	10 mW	-10 to 60 °C	5.6 mm	I
HL6750MG	685 nm	55 mW	-10 to 70 °C	5.6 mm	III
Laser Diodes 700-852nm	Wave length	Max. Output	Operating Temp	Case	PIN
HL7001MG	705 nm	50 mW	-10 to 60 °C	5.6 mm	III
HL7002MG	705 nm	50 mW	-10 to 60 °C	5.6 mm	I
HL7301MG	730 nm	40 mW	-10 to 60 °C	5.6 mm	III
HL7302MG	730 nm	40 mW	-10 to 60 °C	5,6 mm	I
HL7501MG	755 nm	40 mW	-10 to 60 °C	5.6 mm	III
HL7502MG	755 nm	40 mW	-10 to 60 °C	5.6 mm	I
HL7851G	785 nm	50 mW	-10 to 60 °C	9.0 mm	I
HL7852G	785 nm	50 mW	-10 to 60 °C	9.0 mm	III
HL8325G	830 nm	40 mW	-10 to 60 °C	9.0 mm	III
HL8333G	830 nm	40 mW	-10 to 60 °C	9.0 mm	I
HL8334MG	830 nm	40 mW	-10 to 60 °C	5.6 mm	I
HL8335MG	850 nm	40 mW	-10 to 60 °C	5.6 mm	I
HL8337MG	830 nm	50 mW	-10 to 60 °C	5.6 mm	I
HL8338MG	830 nm	50 mW	-10 to 60 °C	5.6 mm	III
HL8340MG	852 (±10) nm	50 mW	-10 to 60 °C	5.6 mm	I
HL8341MG	852 (±10) nm	50 mW	-10 to 60 °C	5.6 mm	III
HL8342MG	852 (±4) nm	50 mW	-10 to 60 °C	5.6 mm	I
HL8343MG	852 (±4) nm	50 mW	-10 to 60 °C	5.6 mm	III

PIN Connection



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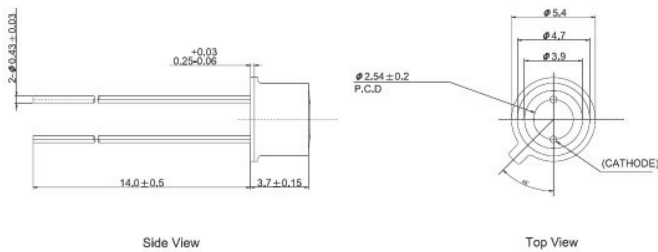
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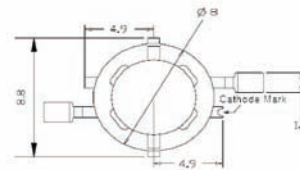
- Applications:**
- UV Curing/Coating/Printing
 - Banknote verification
 - Fluorescence Photography
 - Oil leak detection

UV LED	Wave length	Max. Output	Operating Temp	Case	Lens Type
T5F36	365 nm	1500 μ W	-30 to 80 °C	TO-18	Flat
T5H36	365 nm	1400 μ W	-30 to 80 °C	TO-18	Hemi
T5F37	375 nm	2600 μ W	-30 to 80 °C	TO-18	Flat
T5H37	375 nm	2100 μ W	-30 to 80 °C	TO-18	Hemi
T5F38	385 nm	3200 μ W	-30 to 80 °C	TO-18	Flat
T5H38	385 nm	2800 μ W	-30 to 80 °C	TO-18	Hemi
P8D136	365 nm	40 mW	-30 to 85 °C	P8	Dome
P8D236	365 nm	75 mW	-30 to 85 °C	P8	Dome
P8D137	375 nm	120 mW	-30 to 85 °C	P8	Dome
P8D237	375 nm	230 mW	-30 to 85 °C	P8	Dome
P8D140	405 nm	210 mW	-30 to 85 °C	P8	Dome
P8D240	405 nm	400 mW	-30 to 85 °C	P8	Dome

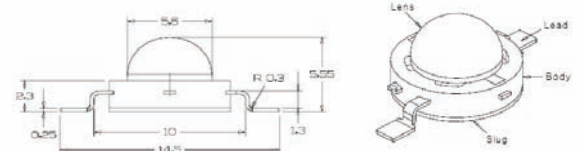
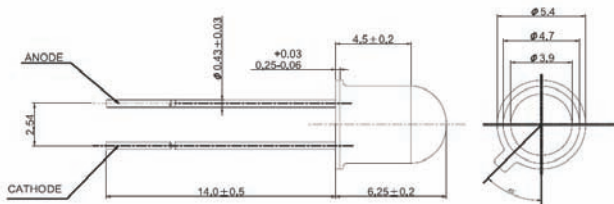
TO-18 with Flat lens



P8 with Dome lens



TO-18 with Hemi lens



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Lenses

HOYA



Type	Focal length	Diameter	NA	Wavelength	Working Distance
A125	8.00 mm	5.80 mm	0.28	780 nm	6.600 mm
A129	7.00 mm	6.40 mm	0.39	810 nm	5.360 mm
A133	2.60 mm	4.40 mm	0.60	685 nm	1.20 mm
A133T1	2.59 mm	4.40 mm	0.60	635 nm	1.19 mm
A135	12.50 mm	9.00 mm	0.30	780 nm	10.80 mm
A136	15.00 mm	10.50 mm	0.30	780 nm	13.30 mm
A165T2	3.30 mm	5.00 mm	0.60	650 nm	1.90 mm
A243C	2.33 mm	3.80 mm	0.60	650 nm	1.27 mm
A253T1	3.05 mm	5.00 mm	0.65	405 nm	1.62 mm
A41	10.00 mm	8.00 mm	0.33	780 nm	8.500 mm
A61	3.00 mm	4.40 mm	0.55	780 nm	1.20 mm
A63	8.00 mm	6.37 mm	0.30	780 nm	5.520 mm
AH10	4.50 mm	6.38 mm	0.50	830 nm	2.16 mm
AH11	6.25 mm	6.38 mm	0.40	780 nm	4.570 mm
AH4	4.20 mm	6.38 mm	0.50	780 nm	2.00 mm

Helvoet

Type	Focal length	Diameter	NA	Wavelength	Working Distance
CAY033	3.30 mm	7.40 mm	0.40	670 nm	1.98 mm
CAY033/40	3.35 mm	4.00 mm	0.38	670 nm	1.97 mm
CDW042/52	4.20 mm	5.20 mm	0.25	650 nm	3.38 mm
CAY046	4.60 mm	7.40 mm	0.40	670 nm	3.08 mm
CAY046/55	4.60 mm	5.50 mm	0.37	670 nm	2.98 mm
CAW100	9.85 mm	5.20 mm	0.195	785 nm	8.30 mm
CAX100	10.00 mm	6.28 mm	0.20	670 nm	8.48 mm
CAX183	18.15 mm	6.28 mm	0.12	670 nm	16.30 mm

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Anteryon

Type	Focal length	Diameter	NA	Working Distance
AC409	40.00 mm	10.00 mm	0.11	38.20 mm
AC407	27.00 mm	8.00 mm	0.11	25.50 mm
AC405	23.00 mm	8.00 mm	0.13	22.00 mm
AC400	22.00 mm	6.00 mm	0.11	20.80 mm
AC403	19.00 mm	8.00 mm	0.16	18.00 mm
AC044	19.00 mm	5.20 mm	0.11	17.00 mm
AC068	15.00 mm	8.00 mm	0.20	13.50 mm
AC072	14.80 mm	8.00 mm	0.22	13.30 mm
AC069	14.80 mm	6.50 mm	0.18	13.40 mm
AC210	11.00 mm	6.00 mm	0.20	9.60 mm
AC212	10.90 mm	7.20 mm	0.30	9.70 mm
Ac302	10.00 mm	4.50 mm	0.19	8.60 mm
AC414	10.00 mm	10.00 mm	0.44	7.60 mm
AC050	9.00 mm	6.50 mm	0.25	7.60 mm
AC052	9.00 mm	6.50 mm	0.30	7.60 mm
AC325	7.90 mm	6.50 mm	0.30	6.50 mm
AC320	7.50 mm	6.50 mm	0.30	6.10 mm
AC322	7.50 mm	4.00 mm	0.19	6.10 mm
AC355	6.25 mm	6.50 mm	0.35	4.80 mm
AC260	4.60 mm	6.00 mm	0.53	2.90 mm
AC256	4.40 mm	5.50 mm	0.50	2.20 mm
Ac258	4.40 mm	4.50 mm	0.50	2.74 mm
AC267	4.40 mm	5.50 mm	0.50	2.20 mm
AC330	3.30 mm	5.20 mm	0.45	2.30 mm
AC331	3.30 mm	4.00 mm	0.45	2.30 mm
AC296	3.00 mm	4.00 mm	0.47	1.60 mm
AC297	3.00 mm	4.00 mm	0.55	1.60 mm

LED optics

Polymer optics



For Luxeon, Osram, Cree, Seoul, Nichia, Edison and Avago we offer LED-optics with mountings. For further details please see www.imm-photonics.de

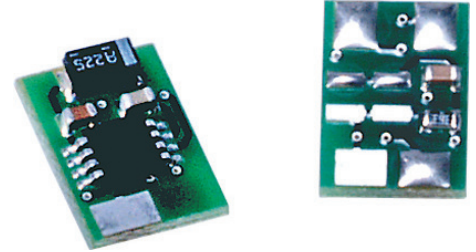
Lenses	Luxeon	Osram	Cree	Seoul	Nichia	Edison	Avago
6° collimator	X	X	X	X	X	X	
25° collimator	X		X	X	X	X	
6° x 25° line	X		X	X	X	X	
5W 6° collimator	X			X		X	
7 cell 6° collimator	X	X	X	X			
7 cell 25° collimator	X		X	X		X	
7 cell Zoom optic	X	X	X	X		X	
7 cell Concentrator	X	X	X	X		X	
Concentrator	X		X	X	X	X	X

Reflector	Luxeon	Osram	Cree	Seoul	Edison	Avago
2,5° reflector collimator	Rebel I, III, V K2	Diamond Dragon Platinum Dragon Golden Dragon	XP-E Xlamp	SSC P4 SSC P3	Edixeon	Moonstone
5° reflector collimator		Ostar	MC-E			

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Laser diode driver-IC's



Type	Description	Max. Laserdiode operation current
iC-HB	Triple 155 MHz Laser Switch	Pulsed: 300 mA / CW: 65 mA
iC-HK / iC-HKB	155MHz Laser Switch	Pulsed: 700 mA / CW: 150 mA
iC-HL	Non-Volatile Laser Bias Potentiometer	
iC-NZ	Fail-Safe Laser Diode Driver	CW: 100 mA
iC-VJ / iC-VJZ	Laser Diode Controller	CW: 250 mA
iC-WJ / iC-WJZ	Laser Diode Driver	CW: 250 mA
iC-WJB	2.7V Laser Diode Driver	CW: 100 mA
iC-WK / iC-WKL	Universal Laser Saver	CW: 90 mA
iC-WKM	M-Type CW Laser Diode Driver	CW: 350 mA
iC-WKN	N-Type CW Laser Diode Driver	CW: 300 mA
iC-WKP	P-Type CW Laser Diode Driver	CW: 350 mA

Optosensors and transformers

Type	Description
iC-LA	64x1 Linear Image Sensor
iC-LF1401	128x1 Linear Image Sensor
iC-LFL1402	256x1 Linear Image Sensor
iC-LFS	32x1 Linear Image Sensor
iC-LQ	Pulse And AC Light Sensor
iC-LQNP	Pulse and AC Light Sensor
iC-OC	Dual Integrating Opto Sensor
iC-OD / iC-ODL	Optical Position-Sensitive Detector (PSD)
iC-OR	5-Element Photodiode Array
iC-SD	IR LED
iC-TL33	IR LED
iC-VP	Photoswitch

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IMM Photonics GmbH hat sich kontinuierlich zum Hersteller, Distributor und Dienstleister entwickelt. Heute sind wir mit über 40 Mitarbeitern einer der führenden Anbieter im Bereich Lasertechnik, Optoelektronik und Faseroptik mit eigener Entwicklung und Produktion.

Unser Produktangebot reicht von der einzelnen Komponente (Laserdiode, Optik, Optoelektronik) über Subsysteme (Kollimatoren und Module) bis hin zu kompletten Geräten wie z.B. den FIBERPOINT®. Bei der Entwicklung kundenspezifischer Lösungen greifen wir auf fast 150 Ingenieurjahre Erfahrung zurück, welche auch unser hohes technisches Know-how und die Qualität unserer Produkte prägen.

Unsere Firmenphilosophie

Unser Ziel ist - gemeinsam mit Ihnen - maßgeschneiderte Lösungen für Sie zu erarbeiten.

IMM Photonics GmbH has been continuously developed to supplier, distributor and service company. With more than 40 employees we are one of the leading supplier in laser technique, optoelectronics and fiber optics with own development and production department.

Our product range includes single components (laser diodes, optics, optoelectronics), sub-systems (collimators and modules) and complete devices, such as FIBERPOINT®. With regard to customer specific solutions, we have got nearly 150 years of experience in engineering; our technical know-how is reflected in the high quality of our products.

Company Philosophy

Our aim is to find specific solutions together with you – for you.

IMM Photonics GmbH

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