

LDM-635-200-C
LDMC-635-200



Advanced Photonic Sciences

200mW 635nm Diode Laser

Absolute Maximum Ratings

Item	Symbol	Absolut max. Ratings	Unit
Forward Current (Tc=25°C)	If	300	mA
Allowable Reverse Current (Tc=25°C)	Ir (LD)	85	mA
Storage Temperature	Tstg	-40 ~ +100	°C
Operating Case Temperature	Tc	-5 ~ +65	°C

Optical Characteristics

Item	Condition	Symbol	Min	Typ	Max	Unit
Optical Output Power	If=260mA	Po	-	200	-	mW
Dominant Wavelength	If=260mA	λ_d	632	635	638	nm
Threshold Current	CW	Ith	55	80	105	mA
Operating Current	CW	Iop	-	260	300	mA
Operating Voltage	If=260mA	Vop	-	2.55	3.0	V
Emission Point Accuracy	If=260mA	$\Delta\theta^\perp$	-5.0	-	5.0	deg.
Beam Size (4 σ)	If=260mA	-	-	4 x 4* 1 x 4	-	mm
Module Beam Divergence (full angle)	If=260mA	θ	-	~0.5* 1	-	mrad

*for modules with beam shaping optics

Wires

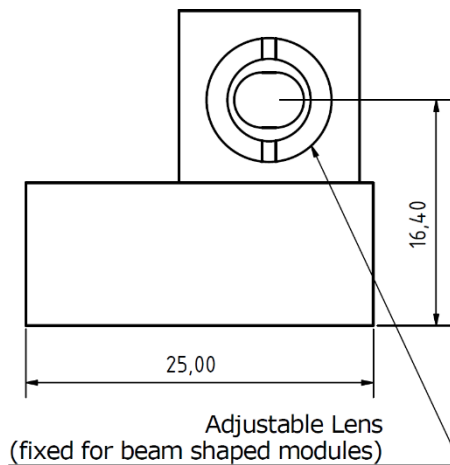
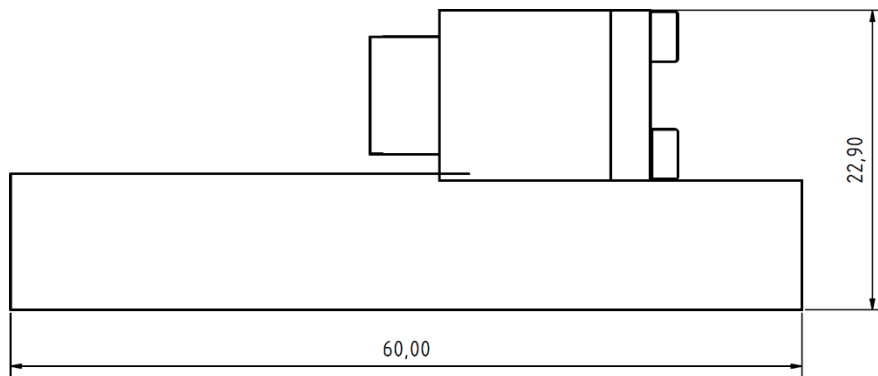
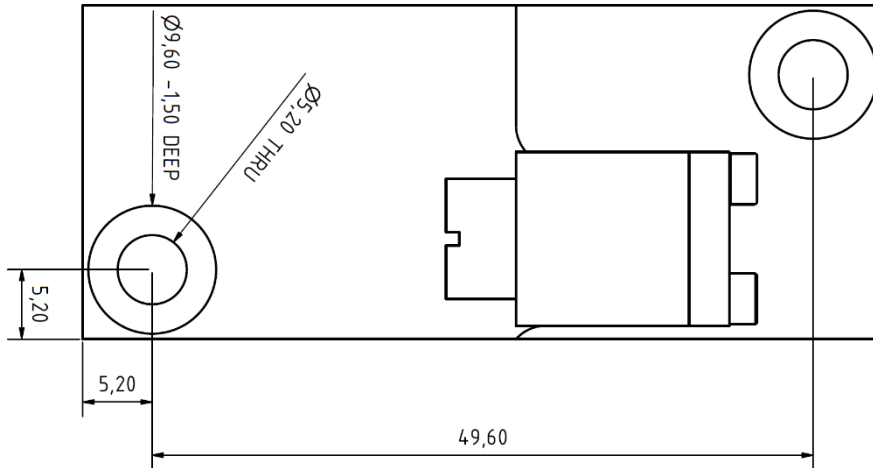
Red = Plus

Black = Minus

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Dimensions



Connecting

wires:

Red:PLUS

Black: MINUS

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Safety Notes

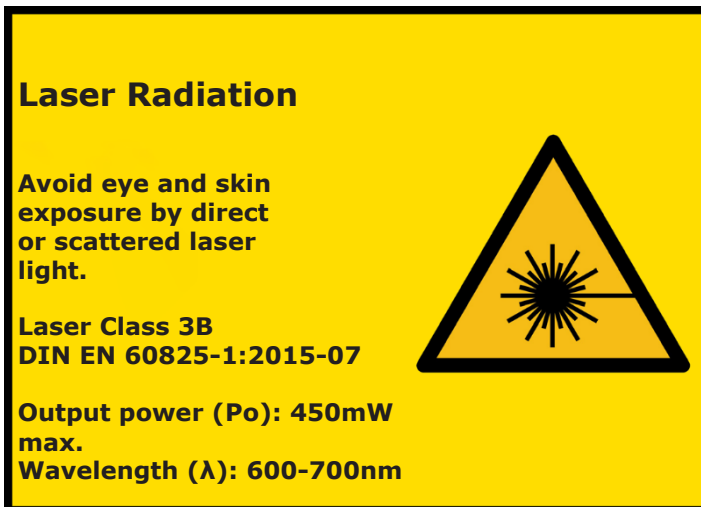
This is a Class 3B OEM laser product. OEM product is intended to be incorporated into a device. It may not meet safety requirements given by the law.

Safety precautions are to be taken prior to use this laser.

Avoid eye or skin exposure. Laser radiation must be prevented from leaving the laser working area. Use appropriate shield to block the laser light.

Relevant but not only applicable

regulations: DIN EN 12254:2010-07
DIN EN 60825-1:2015-07
DIN EN 60825-4



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