

Line Laser Module LC-LML-635-01

Ø 11.5 mm, 635 nm Laser Line Generator

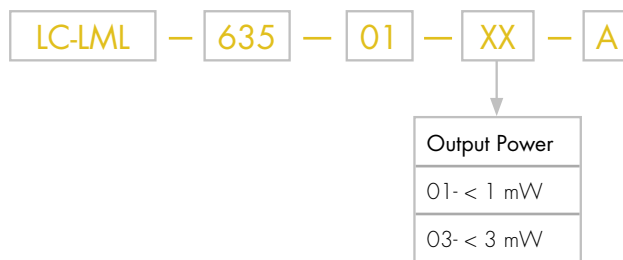
Features

1. APC (auto power control) IC inside
2. Glass Lens
3. High brightness

Application

1. Industrial laser line marks
2. Measuring instruments
3. Laser leveling

Part No. Indications



Part No. with 100 mm Flying Leads (3 mW Version only)



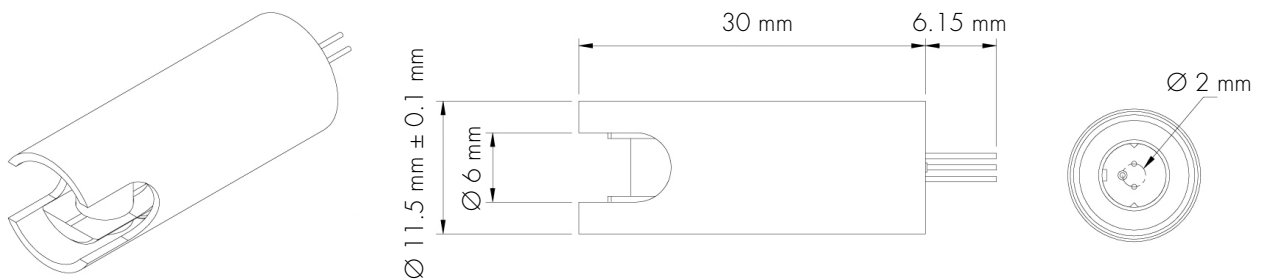
Absolute Maximum Ratings

Item	Symbol	Rating	Unit
Power supply voltage	V_{CC}	3.3	V
Laser module optical output power	P_o	01	< 1
		03	< 3
Operation temperature	T_{opr}	-5 ~ 40	°C
Storage temperature	T_{stg}	-40 ~ 75	°C

Electrical and Optical Characteristics ($T_c = 25\text{ }^\circ\text{C}$)

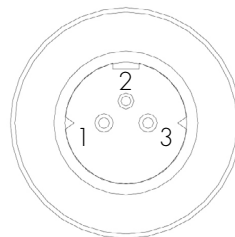
Item	Symbol	Min.	Typ.	Max	Unit	Condition	
Wavelength	λ	01	630	635	645	nm	$P_o = 1\text{ mW}$
		03					$P_o = 3\text{ mW}$
Output power	mW	01	0.5		0.9	mW	
		03	2		3	mW	
Operation current	I_{op}	01	-	-	50	mA	$P_o = 1\text{ mW}$ $V_{cc} = 3\text{ V}$
		03			60		$P_o = 3\text{ mW}$ $V_{cc} = 3\text{ V}$
Operation voltage	V_{op}	-	3	3.3	Volt		
Laser line accuracy	< 0.01° (40") at 4 m						
Emitting angle	> 120°						
Mean time to failure (MTTF) 25 °C	>5000 hrs						

Outline Dimensions (Units: mm)



Pin Assignment

Pin 1: V_{cc}
Pin 2: GND
Pin 3: NC



A type: Heat sink stand (-)