

Line Laser Module LC-LML-635-01

Ø 11.7 mm, 635 nm Laser Line Generator

Features

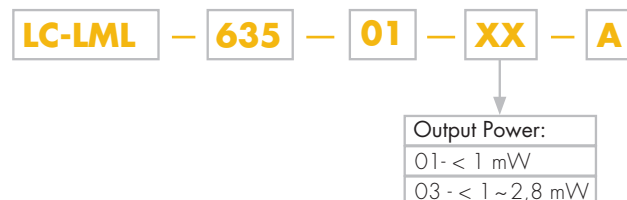
1. APC (auto power control) IC inside
2. Glass Lens
3. High brightness
4. Better line quality

Applications

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



Part No. Indications



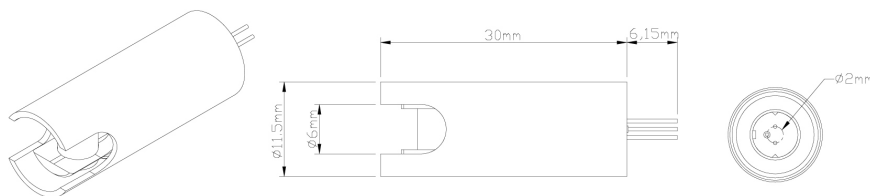
Absolute Maximum Ratings

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

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

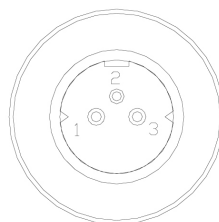
Item	Symbol	Min.	Typ.	Max	Unit	Condition
Wavelength	λ	630	634	640	nm	$P_o = < 3\text{ mW}$
Output power	mW	01		1	mW	$V_{cc} = 3\text{ V}$
		03	2.5		3	mW
Operation current	I_{op}	30	45	60	mA	$P_o = 2.7\text{ mW}$ $V_{cc} = 3\text{ V}$
Operation voltage	V_{op}	2.5	-	3.3	Volt	
Laser line accuracy		$< 0.01^\circ$ (40") at 4 m				
Emitting angle		$> 120^\circ$				
Mean time to failure (MTTF) 3 mW 25 °C		$> 5000\text{ hrs}$				

Outline Dimensions (Units: mm)



Pin Assignment

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



A type: Heat sink stand (-)