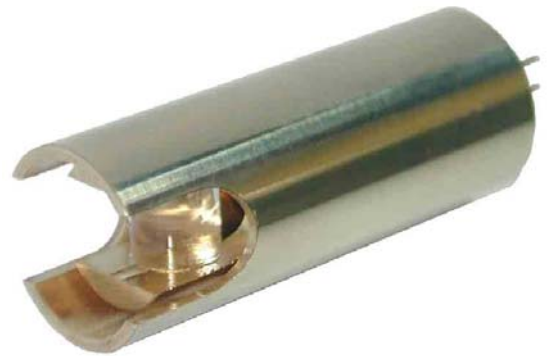


Line Laser Module LC-LML-635-01

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

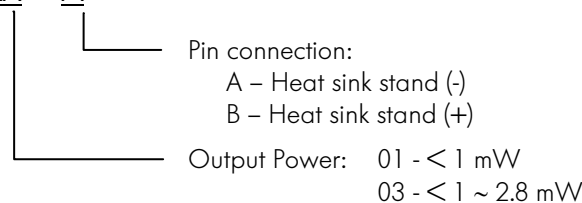


APPLICATIONS

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

PART NO. INDICATIONS

LC-LML - 635 - 01 - XX - A



ABSOLUTE MAXIMUM RATINGS

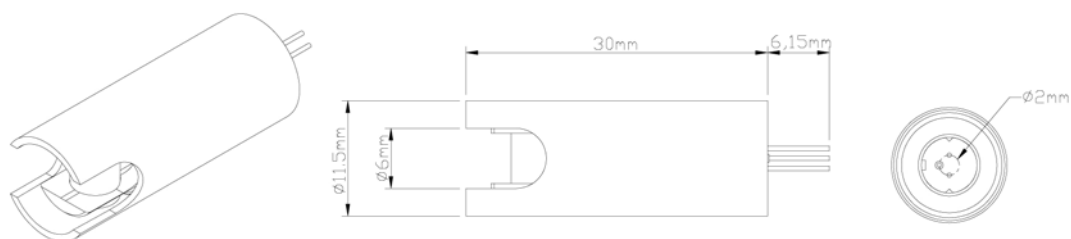
Item	Symbol	Rating	Unit
Power supply voltage	V_{CC}	3.3	V
Laser optical output power	P_o	3	mW
Operation temperature	T_{opr}	-5 ~ 40	°C
Storage temperature	T_{stg}	-40 ~ 75	°C

ELECTRICAL AND OPTICAL CHARACTERISTICS ($T_c = 25^\circ\text{C}$)

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	$V_{CC} = 3 \text{ V}$
Operation current	I_{op}	30	45	60	mA	$P_o = 2.7 \text{ mW}$ $V_{CC} = 3 \text{ V}$
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) 3 mW 25°C		> 5000 hrs				



OUTLINE DIMENSIONS (UNITS: mm)



PIN ASSIGNMENT:



A type: Heat sink stand (-)

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

07/09 / V2 / HW / divers-opto/module/ lc-lml-635-01.doc

