

## Line Laser Module LC-LML-635-01

Ø 11.5 mm, 635 nm Laser Line Generator

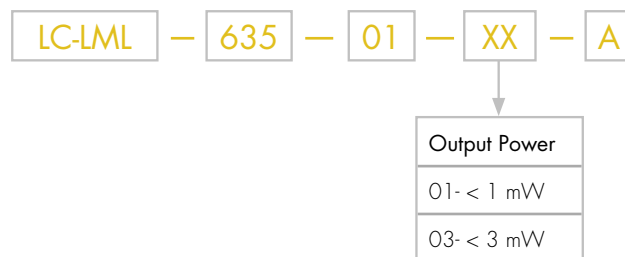
### Features

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)



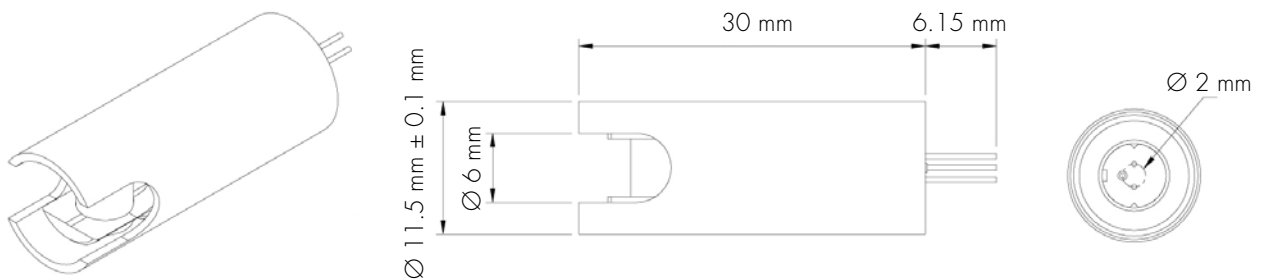
### Absolute Maximum Ratings

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 ( $T_c = 25\text{ }^\circ\text{C}$ )

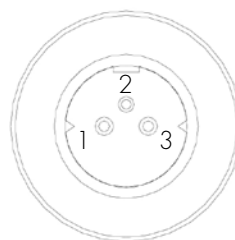
Item	Symbol	Min.	Typ.	Max	Unit	Condition	
Wavelength	$\lambda$	01	630	635	645	nm	$P_o = 1\text{ mW}$
		03					$P_o = 3\text{ mW}$
Output power	mW	01	0.5		0.9	mW	
		03	2		3	mW	
Operation current	$I_{op}$	01	-	-	50	mA	$P_o = 1\text{ mW}$ $V_{cc} = 3\text{ V}$
		03			60		$P_o = 3\text{ mW}$ $V_{cc} = 3\text{ V}$
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 (-)