

# Laser Module LC-LMD-635-02

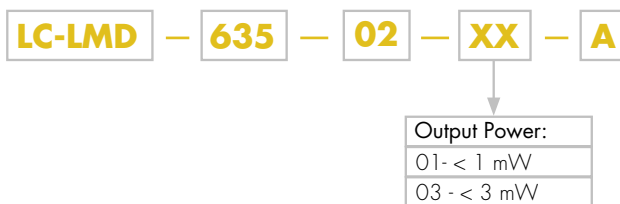
Ø 6.2 mm 635 nm Laser Module

## Features

1. APC (auto power control) IC inside
2. Low current consumption of the APC circuit
3. Surge current protection
4. High quality lens for output beam



## Part No. Indications



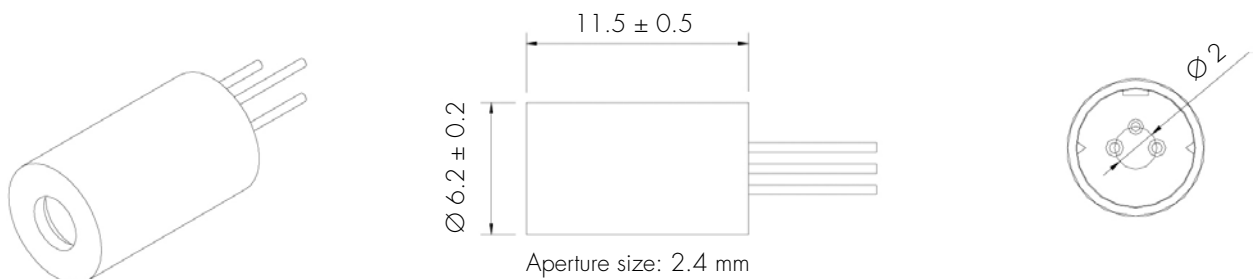
## Absolute Maximum Ratings

Item	Symbol	Rating	Unit
Power supply voltage	$V_{CC}$	3.3	V
Laser module optical output power	$P_o$	01	mW
		03	
Operation temperature	$T_{opr}$	0 ~ 40	°C
Storage temperature	$T_{stg}$	0 ~ 60	°C

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

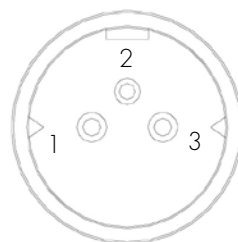
Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Wavelength	$\lambda$	01	634	-	nm	$P_o = 1\text{ mW}$
		03				$P_o = 3\text{ mW}$
Operation current	$I_{op}$	01	-	50	mA	$P_o = 1\text{ mW}$ $V_{cc} = 3\text{ V}$
		03				$P_o = 3\text{ mW}$ $V_{cc} = 3\text{ V}$
Operation voltage	$V_{op}$	2.5	-	3.3	Volt	
Laser Beam spot size at 10 m		<10 mm				
Divergence angle		1.1 mrad				
Mean time to failure (MTTF) 2 mW 25 °C		>5000 hrs				

### Outline Dimensions (Units: mm)



### PIN Assignment

- Pin 1: Vcc
- Pin 2: GND
- Pin 3: NC



A type: Heat sink stand (-)