

Laser Module LC-LMD-850-01

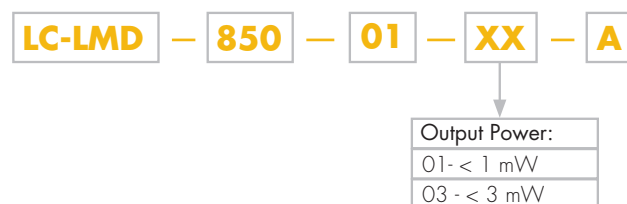
Ø 4 mm, 850 nm Laser Module

Features

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



Part No. Indications



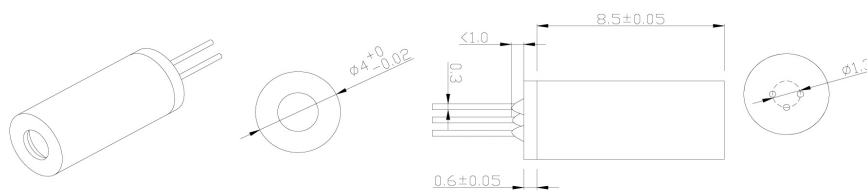
Absolute Maximum Ratings

Item	Symbol	Rating	Unit
Power supply voltage	V_{CC}	3.3	V
Laser Module optical output power	P_o	< 3	mW
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	λ	-	845	-	nm	$P_o = 1\text{ mW}$
Operation current	I_{op}	-	-	40	mA	$P_o = 1\text{ mW}$
						$V_{cc} = 3\text{ V}$
Operation voltage	V_{op}	2.5	-	3.3	Volt	
Laser Beam spot size at 10 m				< 20 mm		
Divergence angle				2 mrad		
Mean time to failure (MTTF) 25 °C				>10000 hrs		

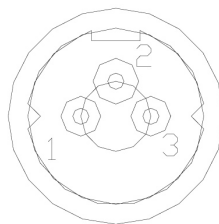
Outline Dimensions (Units: mm)



Aperture size: 1.3 mm

Pin Assignment

Pin 1: V_{cc}
 Pin 2: GND
 Pin 3: NC
 (No external connection)



A type: Heat sink stand (-)

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