

Laser Module

LC-LMD-635-03

Ø 8 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

LC-LMD - 635 - 03 - XX - A

Output Power: 01 - < 1 mW
03 - < 2 ~ 5 mW

ABSOLUTE MAXIMUM RATINGS

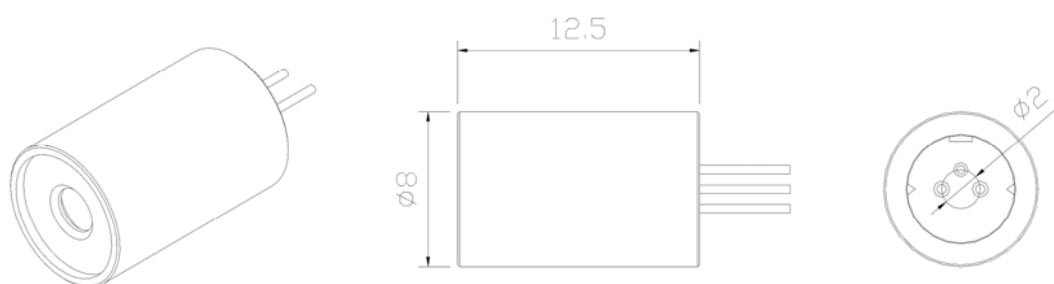
Item	Symbol	Rating	Unit
Power supply voltage	V_{CC}	3.3	V
Laser Module optical output power	P_o	<3 mW	mW
Operation temperature	T_{opr}	0 ~ 40	°C
Storage temperature	T_{stg}	0 ~ 60	°C

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

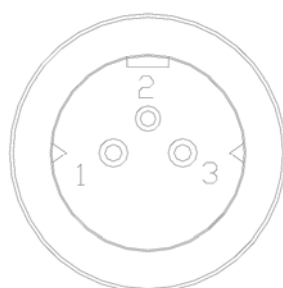
Item	Symbol	Min.	Typ.	Max	Unit	Condition
Wavelength	λ	630	634	640	nm	$P_o = < 3 \text{ mW}$
Output power	P_{out}	01	-	0.6	mW	$V_{CC} = 3 \text{ V}$
		03	-	3.0	mW	$V_{CC} = 3 \text{ V}$
Operation current	I_{op}	30	40	50	mA	$P_o = 3 \text{ mW}$ $V_{CC} = 3 \text{ V}$
Operation voltage	V_{op}	2.5	-	3.3	Volt	
Laser Beam spot size at 10 m				<10 mm		
Divergence angle				1.1 mrad		
Mean time to failure (MTTF) 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 / V3 / HW / divers-opto/module/ lc-lmd-635-03.doc

