Visible Laser Module AML03-6305STL-1

Φ8mm 635nm Laser Module

Features

1. Cost effective
2. High precision assembly
3. High visibility
4. High quality lens for output beam

Part No. Indications:

AML 03 – 6305STL – 1

- 1 — serial No. for customer's spec..
- 6305STL — Part No. of Arima standard LD
- 03 — Product type (Optical frame is the same as Laser module with Inbuilt APC IC)
- AML — Product family: Arima Laser Module

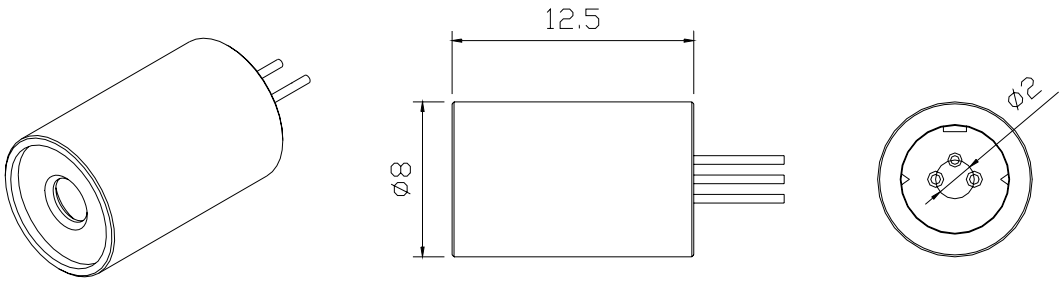
Absolute maximum ratings

Item	Symbol	Rating	Unit
Laser Module optical output power	P_o	4	mW
Operation temperature	T_{opr}	0~40	°C
Storage temperature	T_{stg}	0~60	°C

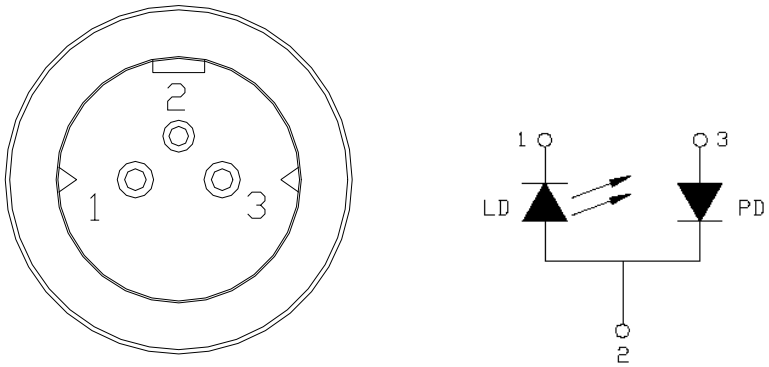
Electrical and optical characteristics (T_c=25 °C)

Item	Symbol	Min.	Typ.	Max	Unit	Condition
Wavelength	λ	630	634	640	nm	P_o=3.5mW
Output power	P_{out}	-	-	3.5	mW	
Threshold current	I_{th}		25	30	mA	
Operation current	I_{op}		33	40	mA	P_o=3.5mW
Operation voltage	V_{op}		2.2	2.5	Volt	P_o=3.5mW
Monitor current	I_m	0.05	0.15	0.3	mA	
Laser Beam spot size at 10m	<10mm					
Divergence angle	1.1 mrad					
Mean time to failure (MTTF) 3.5mW 25°C	>5000 hrs					

Outline dimensions (Units: mm)



PIN Assignment:



Laser Safety Precautions

1. Do not look into the laser beam directly by eyes. The laser beam may cause severe damage to human eyes.
2. Optical Lens is made of plastic or glass . Do not contaminate lens by soiling, oil or chemical.