



DATASHEET



FEATURES

- ✓ Collimated Beam
- ✓ Aspherical Glass Lens
- ✓ Small Black Anodized Aluminum Package

APPLICATIONS

- ✓ Measurement
- ✓ Automation
- ✓ Alignment

Operational Hazard of Laser Module

This laser module emits radiation that is visible/invisible and harmful to human eye. When in use, do not look directly into the laser emitting aperture. Direct viewing of laser diode emission at close range may cause eye damage.



Limited Warranty

Laser diodes have long life time when operated within specs. No warranty coverage for modifications, or damage due to misapplication/ESD failure.



SPECIFICATIONS

OPTICAL

Wavelength	520+/- 5 nm
Optical Output Power	10, 30, 50 mW
Beam Shape	Elliptical, Collimated
Beam Size (near exit)	5mm X 2.1mm
Wavelength Drift	0.2nm/°C
Laser Structure	Single Mode Laser
Polarization Orientation	Long Axis
Divergence (at collimation)	< 1 mrad

ELECTRICAL

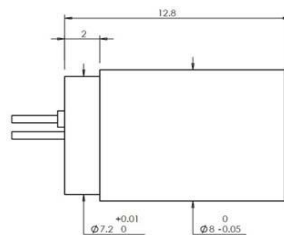
Operating Voltage	5.4-7 V DC (depends on power)
Operating Current	Depends on power
Maximum Operating Current	Depends on power
Monitoring PD Current	0.25 mA (typical)

MECHANICAL/ENVIRONMENTAL

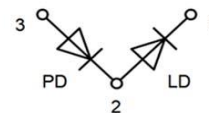
Dimension, mm	8mm (D)X 12.8 mm (L)
Operating Temperature	+10°C to +60°C
Storage Temperature	-40°C to +80°C

Notes: Collimated laser diode is sold solely for use in OEM equipment. OEM is responsible for compliance with all applicable safety regulations.

OUTLINE DRAWING



Pin Connection



Pin 1: LD Cathode
Pin 2: LD Anode, PD Cathode (case)
Pin 3: PD Anode

