UL5-1G-780 LASER DIODE MODULE

DATASHEET



FEATURES

- Adjustable Focus Beam
- High Stability & Low Noise
- **ESD & Reverse Polarity** Protected
- **Custom Options Available**

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

One year. No warranty coverage for disassembly, modifications, or damage due to abuse or misapplication.



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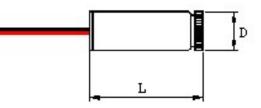
SPECIFICATIONS

OPTICAL Wavelength 780 nm **Optical Output Power** 1 mW < 1% Laser Power Stability (with heat sink) Wavelength Drift 0.2nm/°C Laser Class Class IIIB Laser Operation Continuous Laser Structure Single Mode Laser Divergence (at collimation) < 1 mrad Spot Size Elliptical Adjustable (default) Or Collimated (5mm) at 1m < 100 µm at < 10" distance Min Spot Size **ELECTRICAL MECHANICAL** Heat Sink Requirements Recommended for extended use

Notes: This laser is designed to dissipate heat through its body. Do not use a thermally insulating material for mounting. Do not restrict air circulation around the device. An additional heat sink can be used to maximize the performance and life time.

Caution: The case is internally connected to the circuit. Damaging the anodized surface may result in failure of the laser module

OUTLINE DRAWING



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Operating Voltage	3 to 5V DC
Operating Current	< 50 mA
Control Circuit	Auto Power Control
Electrical Connections	+ Red, - Black

Storage Temperature	-40°C to +80°C
Operating Temperature	+10°C to +40°C
Cable	380mm
Dimension, mm	10.5mm (D)X 26mm (L)

Information contained herein is deemed reliable and accurate as of the issue date. WORLD STAR TECH reserves the right to change the design or specification at any time without notice.

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