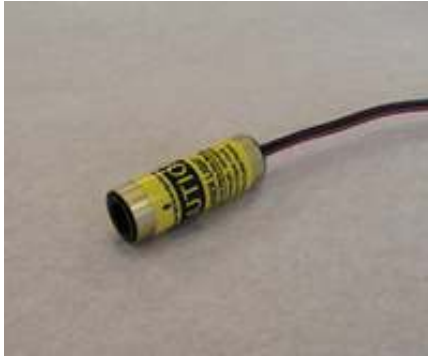


FLL Series Red Laser Line Module

Part No: FLL5-1P-635-XX



Product Features

- High Stability and low noise
- Fixed focus
- Reverse Polarity Protection
- Low Cost

Application

- Measurement
- Automation
- Alignment

Mechanical Drawing



Operational Hazard-Semiconductor Laser Diode Module: This laser module emits radiation that is visible 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.

Specification

OPTICAL

Wavelength	635 nm
Optical Output Power (after line)	<1 mW
Stability	<1%
Wavelength Drift	0.2nm/°C
Laser Operation	Continuous
Laser Structure	Single Mode Laser
Fan Angles Available	4, 15, 30, 45 and 75 deg
Focus distance	Collimated, Fixed
Minimum Line Thickness	< 2mm upto 3 m

ELECTRICAL

Operating Voltage	3 to 5 VDC
Operating Current	<40 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black

MECHANICAL

Dimension	9mm(Dia) x 25mm(L)
Cable	200mm
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements*	Recommended for extended use

Notes

* Heat Sink: The FLL Series Red Laser Line Module is designed to dissipate heat through its body. Do not restrict air circulation around the device; an additional heat sink can be used to maximize the performance and life time of the laser.

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



Complies with CDRH 21CFR 1040.10

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