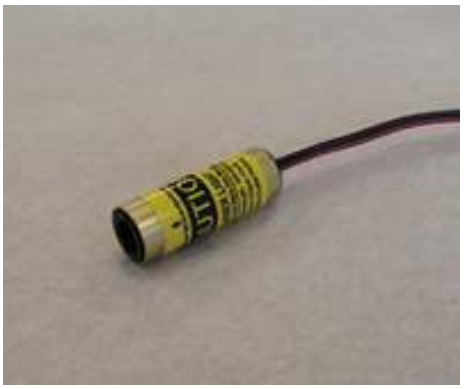
LQ Series Laser Module

Part No: LQB - 650



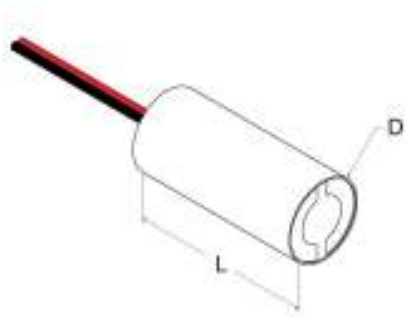
Product Features

- High Stability and low noise
- Collimated Beam
- 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	650 nm
Optical Output Power	2 mW
Stability	<1%
Wavelength Drift	0.2nm/°C
Laser Class	Class IIIA
Laser Operation	Continuous
Laser Structure	Single Mode Laser
Divergence at the collimation	2 milliradian
Spot Size	3 mm
ELECTRICAL	
Operating Voltage	3 to 5 VDC
Operating Current	< 50 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black
MECHANICAL	
Dimension	9mm(D)x 19mm (L)
Cable	380 mm
Operating Temperature	-10ºC to +50°C
Storage Temperature	-40ºC to +80°C
Heat Sink Requirements*	Recommended for extended use

Notes

* Heat Sink: The LQ Series Laser Module is designed to operate without heat sink. 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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