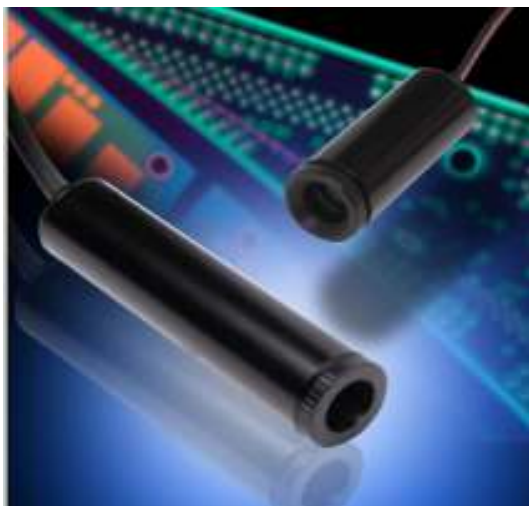


Part No: UH5-30G-850



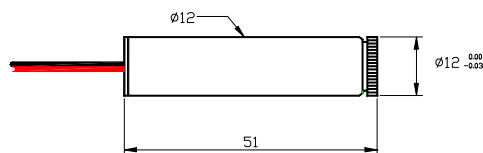
Product Features

- High Stability and low noise
- Collimated or Adjustable focus beam
- Custom Options Available

Applications

- Measurement
- Bioanalytical
- Automation

Mechanical Drawing



Operational Hazard-Semiconductor Laser Diode Module:

This laser module emits radiation that is 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.

Specifications

OPTICAL

Wavelength	850 nm
Optical Output Power	30 mW
Stability	<1%
Wavelength Drift	0.2nm/°C
Noise (20MHz Bandwidth)	<0.5% RMS
Laser Class	Class IIIB
Laser Operation	Continuous
Laser Structure	Single Mode Laser
Divergence at the collimation	<0.5 milliradian
Spot Size	Adjustable Or Collimated (5mm)
Minimum Spot Size	<120µm at <10"distance
Pointing Stability	<50µrad

ELECTRICAL

Operating Voltage	3.3 to 5 VDC
Operating Current	<80 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black

MECHANICAL

Dimension	12mm(D)x 51mm (L)
Cable	200mm
Operating Temperature	-10°C to +60°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements ¹	Recommended for extended use

Notes

1. Heat Sink: The UH Series Red Laser Diode 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; damaging to the anodized surface may result in failure of the laser module.



Class IIIB lasers are sold for OEM use only. OEM is responsible for compliance with all applicable safety regulations.

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