

UH Series Red Laser Diode Module

Part No: UH5-30G-658



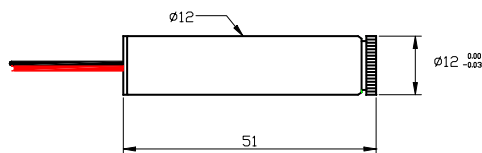
Product Features

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

Application

- Measurement
- Bioanalytical
- 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 | 658 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 | <60µm at <10" distance |
| Pointing Stability | <50µrad |
| ELECTRICAL | |
| Operating Voltage | 3 to 5 VDC |
| Operating Current | <130 mA |
| Control Circuit | Auto Power Control |
| Electrical Connections | +Red, -Black |
| MECHANICAL | |
| Dimension | 12mm(D)x 51mm (L) |
| Cable | 200mm |
| Operating Temperature | -10°C to +50°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.



This module is for OEM use ONLY. OEM is responsible for compliance with all applicable safety regulations.

World Star Tech.

321 Lesmill Rd. Toronto, Ont. M3B 2V1 Canada
Tel: (416) 363-3332 Fax: (416) 363-3112 www.worldstartech.com



ISO9001:2000 Registered

