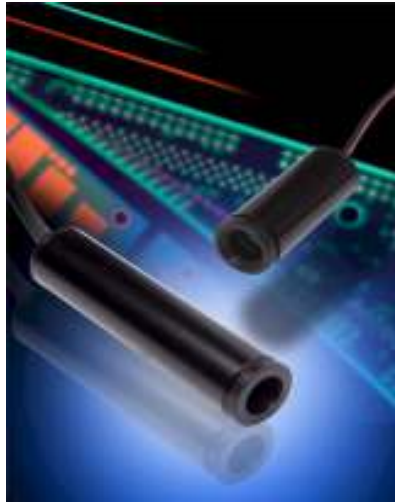


UH Series Red Laser Diode Module



Part No: UH5-7G-650



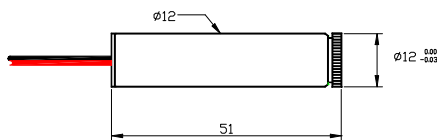
Product Features

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

Applications

- Measurement
- Bioanalytical
- Automation
- Alignment

Mechanical Drawing



Specifications

OPTICAL

Wavelength	650 nm
Optical Output Power	7 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 collimation	<0.5 milliradian
Spot Size	Adjustable Or Collimated(5mm)
Minimum Spot Size	<120µm at <10" distance
Pointing Stability	<50µrad

ELECTRICAL

Operating Voltage ¹	3 to 5 VDC
Operating Current	<60 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 ²	Recommended for extended use

Notes

1. Please ensure there is no voltage/current surge
2. Heat Sink: The UH Series Red Laser Diode Module 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 of the laser.

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



UH5-7G-650 is sold only for use in OEM equipment. The OEM is responsible for compliance with all applicable safety regulations

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