ULL Series Red Laser Line Module

WSTech

Part No: ULL5-3.5P-780-45

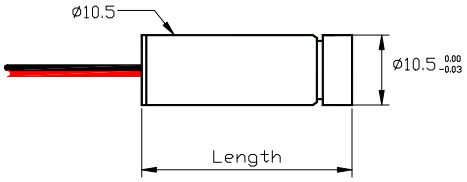
Product Features

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

Application

- Measurement
- Bioanalytical
- Automation
- Alignment

Mechanical Drawing



Specification

OPTICAL	
Wavelength	780 nm
Optical Output Power	3.5 mW
Stability	<1%
Laser Class	IIIb
Wavelength Drift	0.2nm/°C
Noise (20MHz Bandwidth)	<0.5% RMS
Laser Operation	Continuous
Laser Structure	Single Mode Laser
Line Thickness	Fixed Focus
Minimum Line Thickness	< 2mm up to 1.5 meter
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 (Dia * Length)	10.5mm * 24mm
Cable	380mm
Operating Temperature	-10ºC to +50°C
Storage Temperature	-40ºC to +80°C
Heat Sink Requirements[2]	Recommended

Notes

1. Higher operating voltage version (9 to12V) is available, the part No. will be: ULL12-3.5P-780-45.
2. Heat Sink: The ULL Series Red Laser Line 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.

Sold for OEM use only. OEM responsible for compliance with all applicable safety regulations.

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.

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