

DATASHEET



FEATURES

- ✓ Semi-Uniform Line
- ✓ High Visibility Line
- ✓ Factory Focused Beam
- ✓ Reverse Polarity Protection

APPLICATIONS

- ✓ Measurement
- ✓ Scanning
- ✓ Automation and Alignment

Operational Hazard of Laser Module

This laser module emits radiation that is visible/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	520 ± 5 nm
Optical Output Power	Up to 50 mW
Laser Power Stability	< 1% (with heat sink)
Laser Structure	Single Mode
Laser Operation	Continuous
Fan Angle	55 Deg
Laser Focus	Fixed, Collimated
Intensity Distribution Along Line	Semi-Uniform
Laser Line Thickness	< 1mm upto 1M
Laser	Depends on power

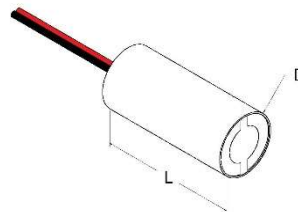
ELECTRICAL

Operating Voltage	3.3 to 5 V DC
Operating Current	< 250 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black

MECHANICAL

Dimension	12 mm (D) x 50 mm (L)
Cable Length	8"
Operating Temperature	+10°C to +40°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements	Recommended for extended use

OUTLINE DRAWING



Part Number	Power	Class
UHL-5P-520-55	5 mW	2
UHL-10G-520-55	10 mW	2
UHL-25G-520-55	25 mW	2
UHL-50G-520-55	50 mW	3R