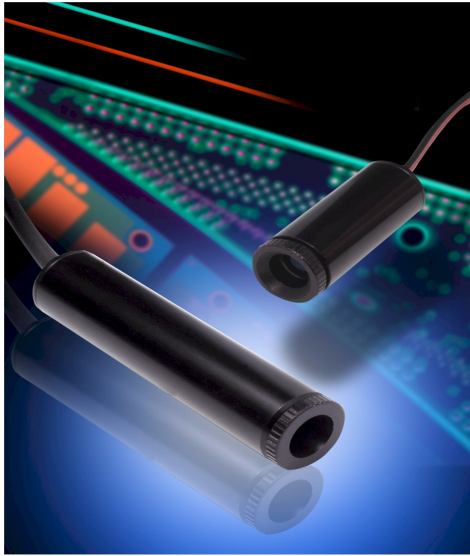


UHL Series Uniform Laser Line



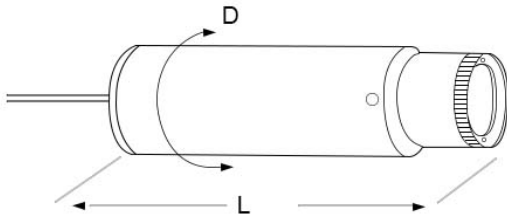
Product Features

- Uniform line distribution along the line
- Collimated or fine laser line
- Custom Options Available

Applications

- Food Sorting and classification
- Size Measurement and Counting
- Inspection & Measurement
- 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.

Specifications

OPTICAL

Wavelength	520 to 658 nm
Optical Output Power	10 to 50 mW
Stability	<1%
Fan Angle	30, 45, 60 and 75
Noise (20MHz Bandwidth)	<0.5% RMS
Laser Operation	CW)
Laser Structure	Single Mode Laser
Focus Distance	Collimated (default) or focused
Minimum Line Thickness	<100 micron at short distances
Modulation	(Can be added) 0 to 1 MHz

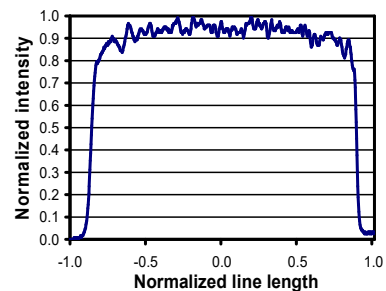
ELECTRICAL

Operating Voltage	3 to 5 VDC
Operating Current	<250 mA (laser dependent)
Electrical Connections	+Red, -Black-
Cable	200mm

MECHANICAL

Dimension (Dia * Length)	12mm * 60 mm
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements	Recommended

Intensity Distribution



Ordering Information

Part Number	Class
UHL5-10G-520635/658-**	Varies with Fan Angle
UHL5-25G-520/635/658-**	Varies with Fan Angle
UHL5-50G-520/635/658-**	Varies with Fan Angle

** Fan Angles of 30, 45, 60 and 75 deg are available as standard. Other fan angles may be available. Please contact us.

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