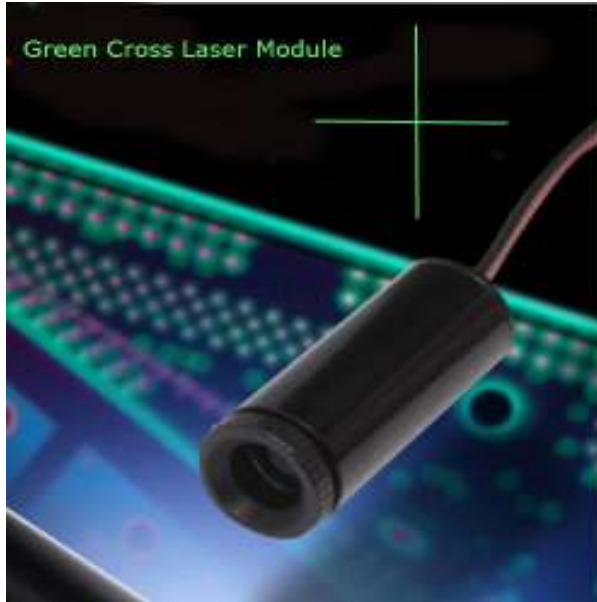


UCH Series Green Laser Cross Line Module



Part No: UCH-20G-520-25



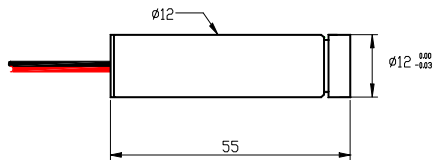
Product Features

- Perfectly Straight Cross-line
- High Stability and low noise
- Adjustable focus

Application

- Measurement
- Targeting
- Automation & Alignment

Mechanical Drawing



Specifications

OPTICAL

Wavelength	520 nm
Optical Output Power (net)	20 mW
Noise (20MHz Bandwidth)	<0.5% RMS
Laser Class	Class IIIA
Laser Operation	Continuous
Laser Structure	Single Mode Laser
Fan Angle	25° full fan angle
Cross Line Length(L)	0.4433X D (Distance)
Line Thickness	Adjustable
Minimum Line Thickness	<1mm up to 1 meter
Pointing Stability	<50µrad

ELECTRICAL

Operating Voltage	3-5 VDC
Operating Current	< 250 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black

MECHANICAL

Dimension	12mm(D)X55mm(L)
Cable	200mm
Operating Temperature	-10°C to +40°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements ¹	Recommended for extended use

Notes

1. Heat Sink: The UCH Series Green Laser Cross Line Module is designed to dissipate heat through its body. Do not restrict air circulation around the device; an additional heat sink should 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.



Complies with CDRH 21CFR 1040.10

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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