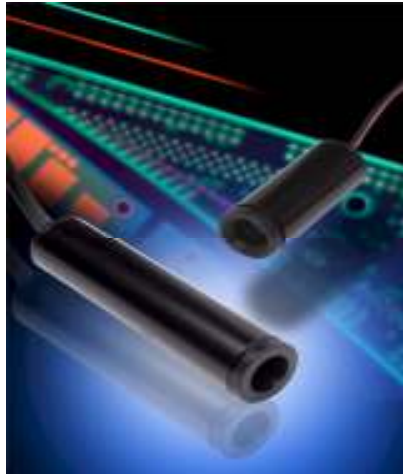


HPL-series Green Laser Line Module



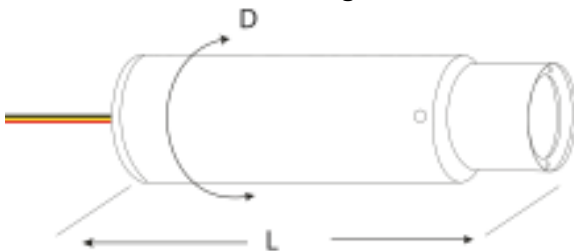
Product Features

- High Visibility Line
- Adjustable Focus
- Custom Options Available

Applications

- Measurement
- Bioanalytical
- 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 +/-5 nm |
| Optical Output Power (net) | Upto 50 mW |
| Stability | <1% (with heat sink) |
| Laser Structure | Single Mode |
| Laser Focus | Adjustable or Fixed (Optional) |
| Laser Line Thickness | < 1mm at 2 m distance. Focussable to <0.5 mm at short distance (0.5 m) |
| Laser Class | Depends on Fan angle |
| Divergence at the collimation | <1 milliradian |
| Laser Fan angles Available | 4, 15, 30, 45, 75, 90 degree |

ELECTRICAL

| | |
|------------------------|--------------|
| Operating Voltage | 3-5 VDC |
| Operating Current | <150 mA |
| Control Circuit | ACC |
| Electrical Connections | +Red, -Black |

MECHANICAL

| | |
|------------------------|------------------------------|
| Dimension | 15mm(D)x 60mm (L) |
| Cable | 200mm |
| Operating Temperature | +10°C to +30°C |
| Storage Temperature | -40°C to +80°C |
| Heat Sink Requirements | Recommended for extended use |



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

| Part Number | Power | Class |
|----------------|-------|-----------------|
| HPL-5G-520-** | <5 mW | Varies with Fan |
| HPL-10G-520-** | 10 mW | Varies with Fan |
| HPL-25G-520-** | 25 mW | Varies with Fan |
| HPL-35G-520-** | 35 mW | Varies with Fan |
| HPL-50G-520-** | 50 mW | Varies with Fan |

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