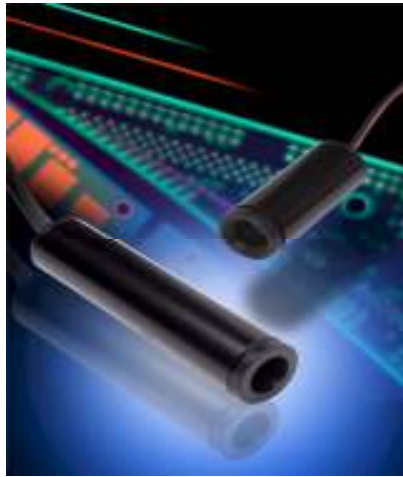


HP-series Green Laser Diode Module



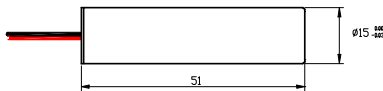
Product Features

- High Stability and low noise
- Custom Options Available
- Modulation upto 1MHz available

Applications

- Measurement
- Bioanalytical
- Automation and 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	1, 5, 10, 20, 40, 50, 60 mW Please see below
Laser Structure	Single Mode
Stability	< 1% at constant operating temperature
Laser Focus	Adjustable (default); Fixed (Optional)
Laser Beam Size	Adjustable down to less than 50 micron. 5 mm when collimated.
Laser Class	See table below.
Divergence at collimation	<1 milliradian
ELECTRICAL	
Operating Voltage	3-5VDC
Operating Current	<250 mA
Control Circuit	APC or ACC (depends on power)
Electrical Connections	+Red, -Black
MECHANICAL	
Dimension	15mm(D)x 51mm (L)
Cable	200mm
Operating Temperature	+10°C to +50°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.

Ordering Information and Part Number

Part Number	Power	Class
HP5-1G-520	<1 mW	Class II
HP5-5G-520	<5 mW	Class IIIA
HP5-10G-520	10 mW	Class IIIB
HP5-20G-520	20 mW	Class IIIB
HP5-40G-520	40 mW	Class IIIB
HP5-50G-520	50 mW	Class IIIB
HP5-60G-520	60 mW	Class IIIB

Class IIIB Lasers are sold for OEM purposes only. OEM responsible for compliance with all applicable safety regulations.



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