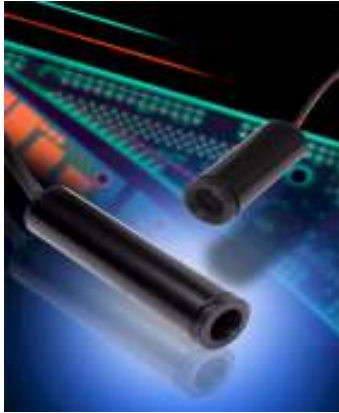


DPGL Series Green Laser Module

Part Number: DPGL-01S



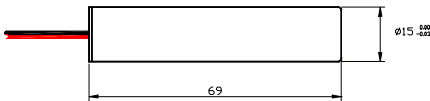
Product Features

- High Stability and low noise
- Collimated beam
- Reverse Polarity Protection
- 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	532 nm
Optical Output Power	< 1 mW
Stability	<1%
Spatial Mode	TEM ₀₀
Laser Operation	Continuous
Divergence at the collimation	< 1 milliradian
Beam Diameter $1/e^2$	<1.2mm
Beam Shape	Circular(1:1.1)
Laser Class	Class II (CDRH)

ELECTRICAL

Operating Voltage ¹	3.3 VDC
Operating Current	<150 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black

MECHANICAL

Dimension	15mm(D)x 69mm (L)
Cable	200mm
Operating Temperature	-10°C to +40°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements ²	Recommended for extended use

Notes

1. DPGL series green lasers come with a 3.3V DC power adaptor. If using own power supply operate between 3 to 3.3V DC.

2. Heat Sink: The DPGL Series Green Laser Module is designed to dissipate heat through its body. Do not restrict air circulation around the device; an additional heat sink can be used to maximize the performance and life time of the laser.

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



Complies with CDRH 21CFR 1040.10

World Star Tech.

185 Konrad Crescent, Markham, ON L3R 8T9 Canada
Tel: (416) 363-3332 Fax: (416) 363-3112 www.worldstartech.com



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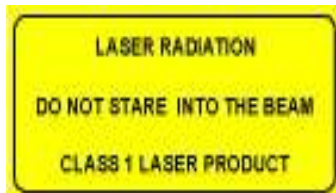


DPGL Series Green Laser Module

DPGL Series Ordering Information

Part Number	Power	Max Operating Current	Laser Class
DPGL-0.4S	<0.4mW	< 150mA	Class 1 (IEC)
DPGL-01S	<1mW	< 180 mA	Class 2 (IEC) Class II (CDRH)
DPGL-03S	3mW	< 200 mA	Class 3R (IEC) Class IIIA (CDRH)
DPGL-05S	< 5 mW	< 250 mA	Class 3R (IEC) Class IIIA (CDRH)

TTL modulation can be added on to all DPGL lasers. The max modulation frequency is 3KHz. If ordering with TTL option, the part number will have a –“TTL” eg. DPGL-01-TTL



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