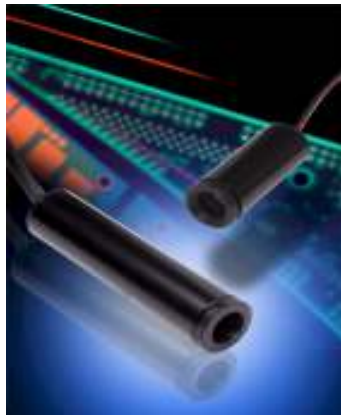


# DPGL Series Green Laser Module

Part Number: DPGL-05S



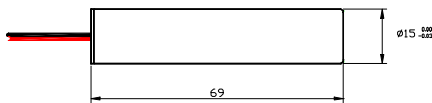
## Product Features

- 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	< 4.9 mW
Stability	<1%
Spatial Mode	TEM <sub>00</sub>
Laser Operation	Continuous
Divergence at the collimation	< 1 milliradian
Beam Diameter <sub>1/e<sup>2</sup></sub>	<1.2mm
Beam Shape	Circular(1:1.1)
Laser Class	Class IIIA (CDRH)

### ELECTRICAL

Operating Voltage <sup>1</sup>	3.3 VDC
Operating Current	<250 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 <sup>2</sup>	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.

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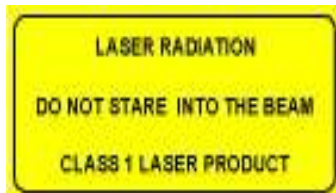


## DPGL Series Green Laser Module

### 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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