

DPGL Series Green Laser Module

Part No: DPGL-01S



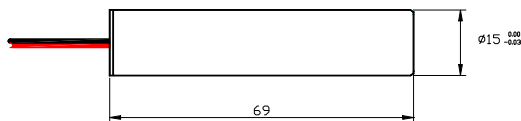
Product Features

- High Stability and low noise
- Collimated beam
- Reverse Polarity Protection
- Custom Options Available

Application

- Measurement
- Bioanalytical
- Automation
- Alignment

Mechanical Drawing



Operational Hazard-Semiconductor Laser Diode Module:

This laser module emits radiation that is invisible 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.

Specification

OPTICAL

Wavelength	532 nm
Optical Output Power	<1 mW
Stability	<1%
Spatial Mode	TEM ₀₀
Laser Class	Class II
Laser Operation	Continuous
Divergence at the collimation	< 1 milliradian
Beam Diameter ^{1/e²}	<1.2mm
Beam Shape	Circular(1:1.1)

ELECTRICAL

Operating Voltage ¹	3 to 5 VDC
Operating Current	<200 mA
Control Circuit	Auto Power Control
Electrical Connections	+Red, -Black

MECHANICAL

Dimension	15mm(D)x 69mm (L)
Cable	200mm
Operating Temperature	+15°C to +30°C
Storage Temperature	-40°C to +80°C
Heat Sink Requirements ²	Recommended for extended use

Notes

1. Preferably operate at 3V, higher voltage will result in excessive heat.
2. Heat Sink: The DPGL Series Green Laser Module is designed to operate without heat sink. 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