

PGL-VI-1550



Diode infrared laser module at 1550nm is made features of wide range temperature operating (without TEC), high reliability, and low cost, which made it be used widely in orientation, alignment and measurement. etc.

SYSTEM SPECIFICATIONS*

Wavelength	nm	1550
Wavelength tolerance	nm	±10
Output power	mW	1-15
Operating mode		CW
Transverse mode		Near TEM ₀₀
Beam diameter at the aperture(1/e ²)	mm	~3.5
Beam divergence, full angle	mrad	<1
Expected lifetime	hours	10,000
Warranty	months	6

ELECTRICAL SPECIFICATIONS

Operating voltage(internal PCB)	3VDC (TTL10kHz)/5VDC(TTL30kHz or Analog 0-3V, 0-5V)
Connection	Cable with flying leads

ENVIRONMENTAL CONDITIONS

Operating temperature	0°C to 40°C
Storage temperature	-20°C to 80°C
Humidity	< 90 %, non-condensing
Dissipated heat	< 1.5W

MECHANICAL SPECIFICATIONS

Laser head diameter Φ	mm	15
Length	mm	90
Material		Aluminum
Shell polarity		The housing has non-polarity.

*All testing data under the conditions of temperature 25°C.



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Dimensions of laser

(Internal PCB, $\Phi 15 \times 90 \text{mm}^2$, 3VDC, TTL10kHz / 5VDC, TTL30kHz or Analog 0-3V, 0-5V)

