

PGL-VI-1064



Diode infrared laser module at 1064nm is made features of wide range temperature operating (without TEC), high reliability, and low cost, which made it be used widely in collimation, laser medical treatment, scientific experiment and optical instrument. etc.

SYSTEM SPECIFICATIONS*

Wavelength	nm	1064
Wavelength tolerance	nm	±1
Output power	mW	1-100
Operating mode		CW
Transverse mode		TEM ₀₀
Beam diameter at the aperture(1/e ²)	mm	~1.5
Beam divergence, full angle	mrad	<1.5
Expected lifetime	hours	10,000
Warranty	months	6

ELECTRICAL SPECIFICATIONS

Operating voltage(internal)	3VDC (TTL10kHz)
Operating voltage(external1 PCB)	3VDC
Operating voltage(external2 PCB)	5VDC
Connection	Cable with flying leads

ENVIRONMENTAL CONDITIONS

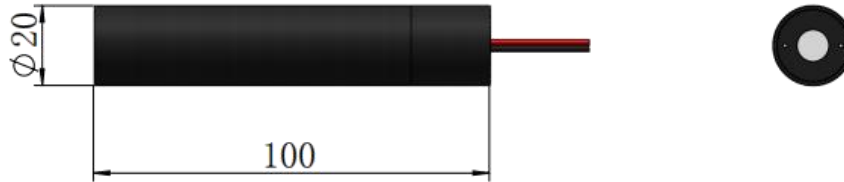
Operating temperature	10°C to 35°C
Storage temperature	-20°C to 80°C
Humidity	< 90 %, non-condensing
Dissipated heat	< 2W

MECHANICAL SPECIFICATIONS

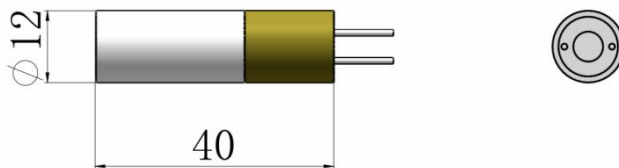
Dimensions of PGL-VI-1064	Φ20×100mm ²
Dimensions of PGL-VI-1-1064	Φ12×40mm ²
Material	Aluminum/Copper
Shell polarity	The housing has a negative electrode.

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

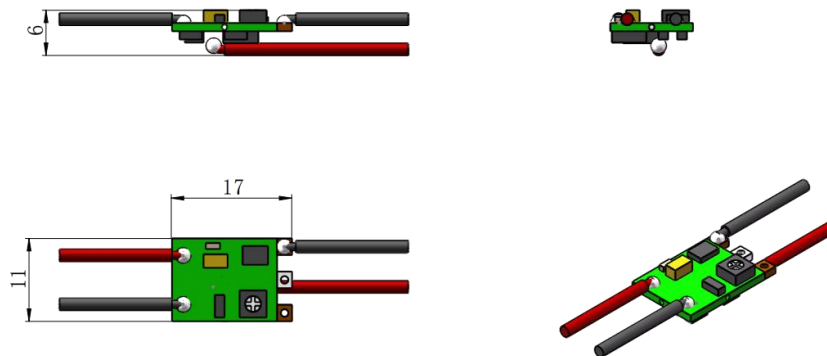
Dimensions of PGL-VI-1064(Internal PCB, $\Phi 20 \times 100 \text{mm}^2$, 3VDC)



Dimensions of laser (external PCB, PGL-VI-1-1064, $\Phi 12 \times 40 \text{mm}^2$)



Dimensions of external PCB1 ($11 \times 17 \text{mm}^2$, 3VDC)



Dimensions of external PCB2 ($15 \times 35 \text{mm}^2$, 5VDC)

