

PGL-VI-589



All solid state orange laser at 589nm is made features of ultra compact, long lifetime, low cost and easy operating, which made it be used widely in scientific experiment, optical sensor, measurement, instrument, communication and spectrum analysis, etc.

SYSTEM SPECIFICATIONS*

Wavelength	nm	589
Wavelength tolerance	nm	±2
Output power	mW	1-20
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	10000
Warranty	years	1

ELECTRICAL SPECIFICATIONS

Operating voltage(internal PCB)	3VDC
Operating voltage(external PCB)	3VDC
Connection	Cable with flying leads

ENVIRONMENTAL CONDITIONS

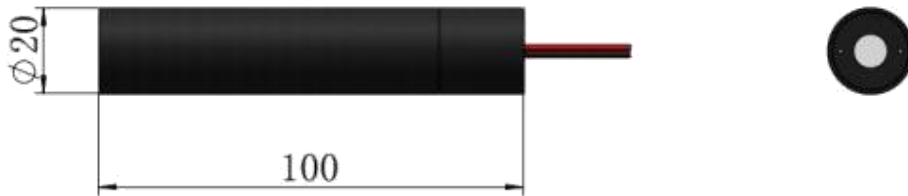
Operating temperature	10°C to 35°C
Storage temperature	-20°C to 80°C
Humidity	<90%, non-condensing
Dissipated heat	<6W

MECHANICAL SPECIFICATIONS

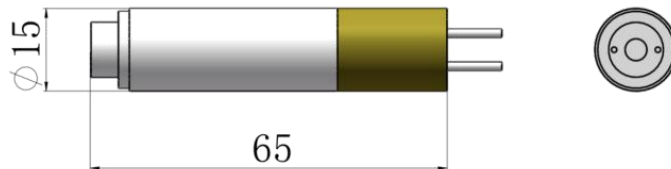
Dimensions of PGL-VI-589	Φ20×100mm ²
Dimensions of PGL-VI-1-589	Φ15×65mm ²
Material	Aluminum/Copper
Shell polarity	The housing has a positive electrode.

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

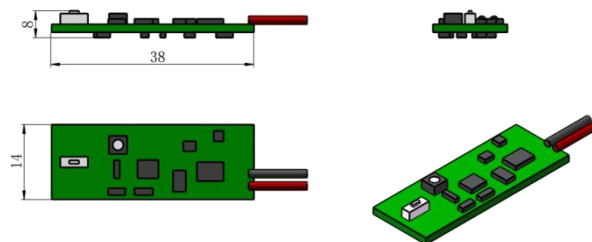
Dimensions of PGL-VI-589(Internal PCB, $\Phi 20 \times 100 \text{mm}^2$, 3VDC)



Dimensions of PGL-VI-1-589(external PCB, $\Phi 15 \times 65 \text{mm}^2$, 3VDC, internal control 750hz frequency)



Dimensions of external PCB1($38 \times 14 \times 8 \text{mm}^3$, 3VDC)



Dimensions of external PCB($19 \times 15 \times 11.2 \text{mm}^3$, 3VDC)

