



中国长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co., Ltd

PGL-VI-473



PGL-VI high power blue laser module at 473nm is made features of small size, high output power, long lifetime, which made it be used widely in collimation, laser medical treatment, scientific experiment, optical instrument and so on.

SYSTEM SPECIFICATIONS*

Wavelength	nm	473
Wavelength tolerance	nm	±1
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	mrاد	<1.5
Expected lifetime	hours	10000
Warranty	years	1

ELECTRICAL SPECIFICATIONS

Operating voltage(internal PCB)	3VDC
Operating voltage(external PCB1/2)	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

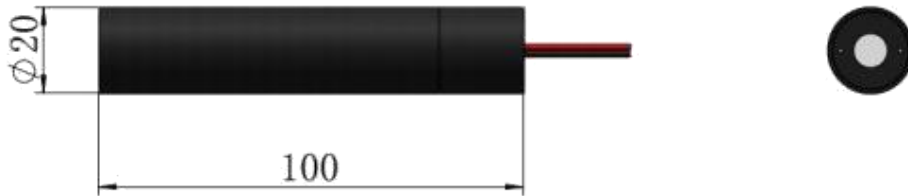
MECHANICAL SPECIFICATIONS

Dimensions of PGL-VI-473	Φ20×100mm ²
Dimensions of PGL-VI-1-473	Φ15×65mm ²
Material	Aluminum/Copper
Shell polarity	The housing has a positive electrode.

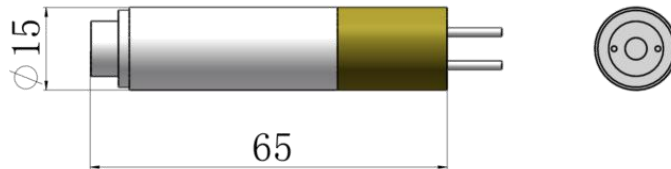
*All testing data under the conditions of temperature 25°C.



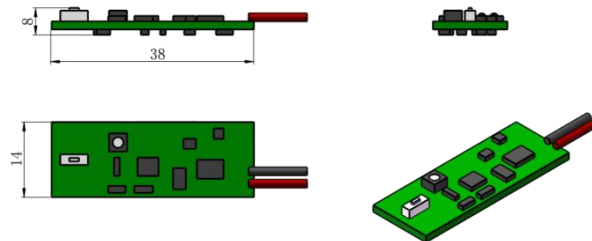
Dimensions of PGL-VI-473(Internal PCB, $\Phi 20 \times 100 \text{mm}^2$, 3VDC)



Dimensions of PGL-VI-1-473(external PCB, $\Phi 15 \times 65 \text{mm}^2$, 3VDC)



Dimensions of external PCB1($38 \times 14 \times 8 \text{mm}^3$, 3VDC, internal control 750hz frequency)



Dimensions of external PCB2($19 \times 15 \times 11.2 \text{mm}^3$, 3VDC)

