



## PGL-H-520



Green laser module at 520nm is made features of ultra compact, long lifetime, and easy operating, which made it be used widely in laser projection, laser show, biomedical applications, holography, metrology. etc.

### SYSTEM SPECIFICATIONS\*

Wavelength	nm	520
Wavelengthtolerance	nm	±10
Outputpower	mW	1-800
Operating mode		CW
Transverse mode		Multimode
Beam diameter at the aperture(1/e <sup>2</sup> )	mm	~2×4
Beam divergence, full angle	mrad	<3×0.5
Working time	seconds	30
Expected lifetime	hours	10000
Warranty	years	1

*Worked with TEC for long time operation.*

### ELECTRICAL SPECIFICATIONS

Operating voltage(external PCB1)	6VDC
Operating voltage(external PCB2)	6VDC(TTL10kHz or Analog0-5V, optional)
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	<9W

### MECHANICAL SPECIFICATIONS

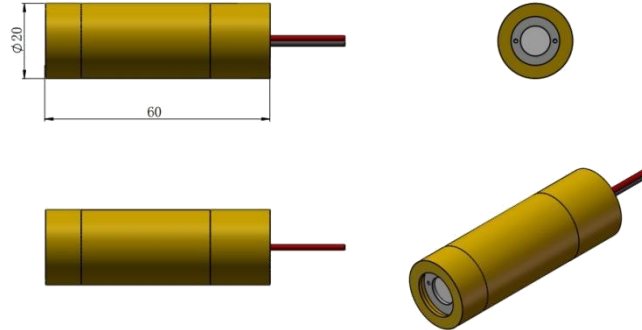
Laser head diameter Φ	mm	20
Length	mm	60
Material		Copper
Shell polarity		The housing is isolated.

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

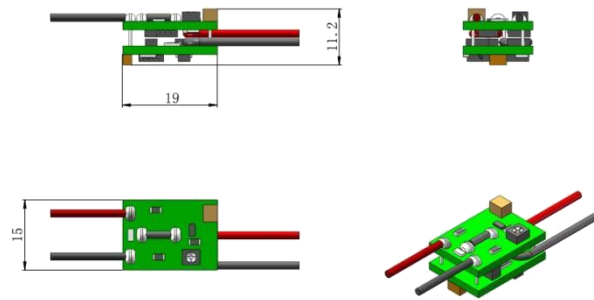


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Dimensions of laser( $\Phi 20 \times 60 \text{mm}^2$ )



Dimensions of PCB1( $11.2 \times 15 \times 19 \text{mm}^3$ , 6VDC)



Dimensions of PCB2( $11.2 \times 15 \times 19 \text{mm}^3$ , 6VDC, TTL 10kHz or Analog 0-5V)

