



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

PGL-H-405



PGL-H blue laser module at 405nm is made features of small size, long lifetime, which made it be used widely in collimation, laser medical treatment, scientific, experiment, optical instrument and so on.

SYSTEM SPECIFICATIONS*

| | | |
|--|---------|-----------|
| Wavelength | nm | 405 |
| Wavelength tolerance | nm | ±10 |
| Output power | mW | 1-350 |
| Operating mode | | CW |
| Transverse mode | | Multimode |
| Beam diameter at the aperture(1/e ²) | mm | ~2×4 |
| Beam divergence, full angle | mrad | <3×0.5 |
| Operating 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

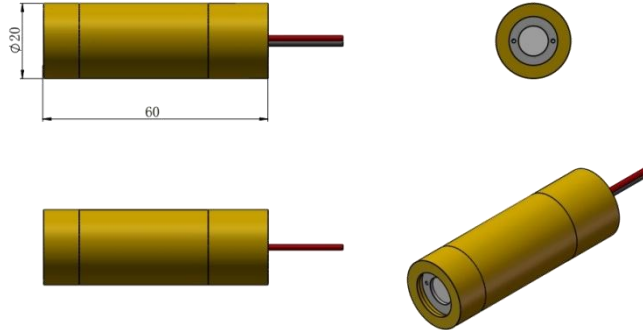
| | | |
|-----------------------|----|--------------------------|
| Laser head diameter Φ | mm | 20 |
| Length | mm | 60 |
| Material | | Copper |
| Shell polarity | | The housing is isolated. |

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

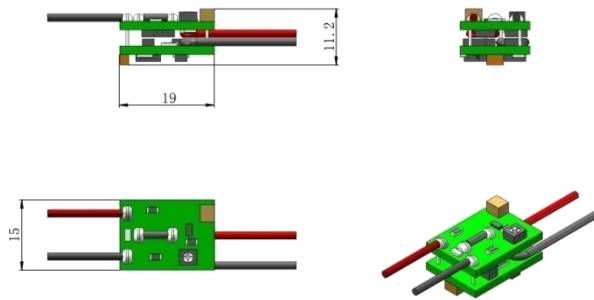


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Dimensions of laser($\Phi 20 \times 60 \text{mm}^2$)



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)

