

Opto Engine LLC

Data sheet

Rev. 1105

PGL-H-532/1~800mW

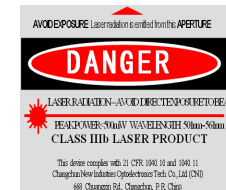
HIGH POWER GREEN LASER MODULE AT 532nm

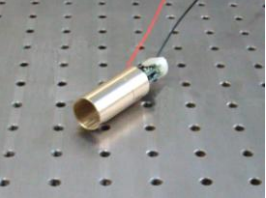
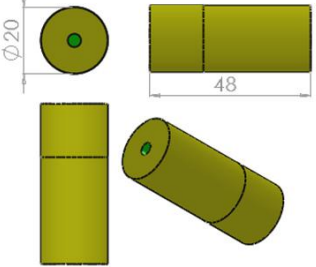

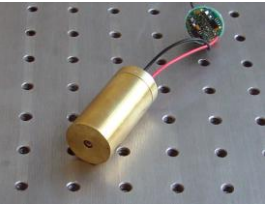
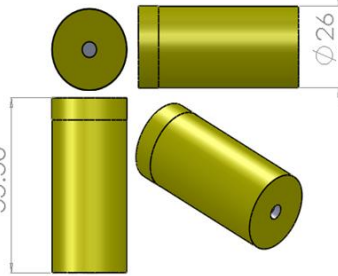
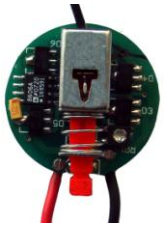

PGL-H high power green laser module at 532nm is made features of small size, high output power, long lifetime, which made it widely used in collimation, laser medical treatment, scientific experiment, optical instrument and so on.



SPECIFICATIONS

| | | |
|------------------------------------|---|-------------------|
| Model | PGL-H-532 | |
| Wavelength (nm) | 532±1 | |
| Output power (mW) | >1, 10, 15, ... , 200 | >200,300,400……800 |
| Transverse mode | TEM ₀₀ | |
| Operating mode | CW | |
| Beam divergence, full angle (mrad) | <15 | |
| Beam diameter at the aperture (mm) | ~0.3 | |
| Power stability (rms) | <10% , over 4 hours at constant temperature after warm up | |
| | <20% , over operating temperature range | |
| Warm-up time (minutes) | <10 | |
| Operating temperature (°C) | 15~30 | |
| Power supply | 3V PCB | 3V /5V PCB |
| TTL modulation | Optional, 2kHz or higher on request. | |
| Expected lifetime (hours) | 5000 | |
| Warranty | 6 months | |



| PGL-H-532 | Dimensions | PC Board | |
|---|--|--|--|
|  <p>$\Phi 20 \times 48(L)$ mm³, 0.2 kg (1-200mW)</p> |  | <p>3VPCB</p>  <p>14×18×6(H) mm³</p> | |
|  <p>$\Phi 26 \times 55.5(L)$ mm³, 0.3 kg (200-800mW)</p> |  | <p>3VPCB</p>  <p>$\Phi 26 \times 15(H)$ mm³</p> | <p>5VPCB</p>  <p>56×47×30(H) mm³</p> |