

PGL-V-H-447/1~1600mW

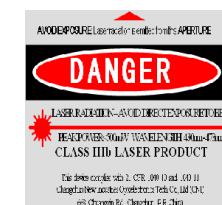
BLUE DIODE LASER MODULE AT 447 nm


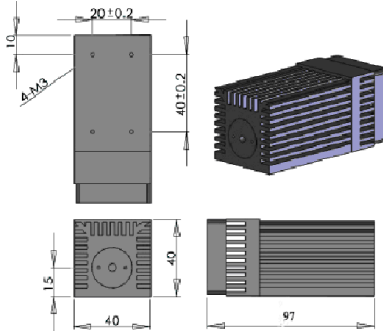

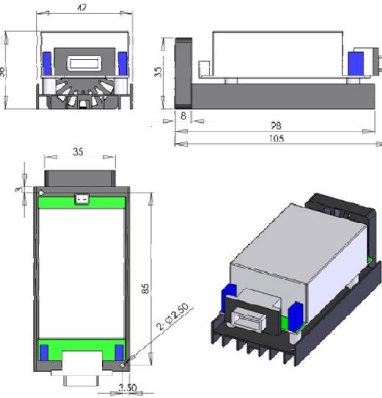
Diode laser module at 447 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser pointing, show and light applications. Very good beam properties make it useful in RGB mixed laser systems.



SPECIFICATIONS

| | | |
|---|---|---------------------|
| Wavelength (nm) | 447±5 | |
| Output power (mW) | >1, 10, 20, ...,500 | >500, 600, ...,1600 |
| Transverse mode | Near TEM ₀₀ | TM ₀₀ |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Warm-up time (minutes) | <5 | |
| Beam divergence, full angle (mrad) | <1.5 | <3.0×0.5 |
| Dimensions of beam at the aperture (mm) | ~5 | ~2×4 |
| Beam height from base plate (mm) | 15 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC) | PSU-I-OEM | |
| Modulation option | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off | |
| Expected lifetime (hours) | 5000 | |
| Warranty period | 1 year | |



| PGL-V-H-447 | Dimensions | PSU-I-OEM | Dimensions |
|---|---|--|--|
|  <p>97 (L) × 40(W) × 40(H) mm³, 0.2 kg</p> |  |  <p>105 (L) × 47(W) × 38(H) mm³, 0.2 kg</p> |  |