

PGL-V-H-445/1~1000mW

### BLUE DIODE LASER MODULE AT 445 nm


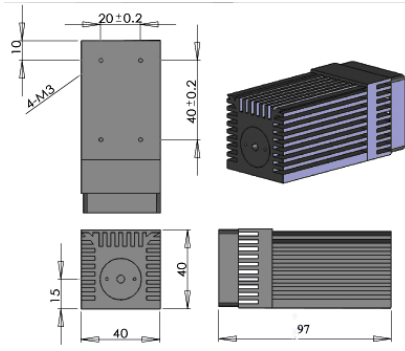

Diode laser module at 445 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser pointing, show and light applications. Very good beam properties make it useful in RGB mixed laser systems.



#### SPECIFICATIONS

Wavelength (nm)	445±5	
Output power (mW)	>1, 10, 20, ...,500	>500, 600, ...,1000
Transverse mode	Near TEM <sub>00</sub>	
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-445	Dimensions	PSU-I-OEM	Dimensions
 <p>97 (L) ×40(W) ×40(H) mm<sup>3</sup>, 0.2 kg</p>		 <p>105 (L) ×47(W) ×38(H) mm<sup>3</sup>, 0.2 kg</p>	