

PGL-V-H-450/1~1000mW

**BLUE DIODE LASER
MODULE
AT 450 nm**

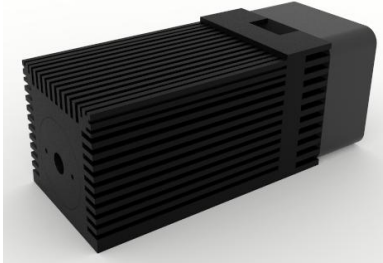
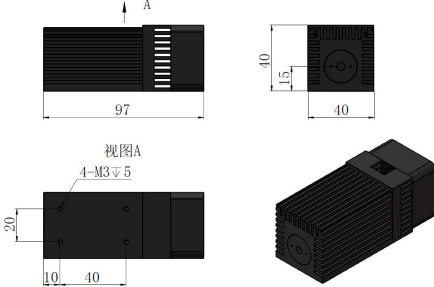
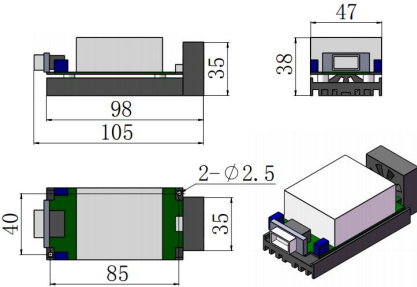
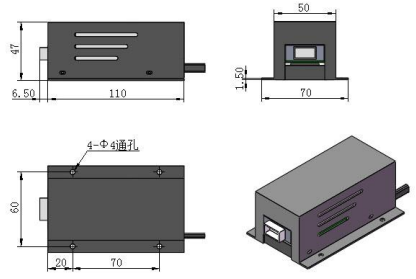
Diode laser module at 450 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser pointing, show and light applications. Very good beam properties make it useful in RGB mixed laser systems.



SPECIFICATIONS

Wavelength (nm)	450±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20, ...,80	>80, 100, ...,1000
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM ₀₀	Multimode
Beam diameter at the aperture (1/e ² , mm)	~5.0	~2.0×4.0
Beam divergence, full angle (mrad)	<1.5	<3.0×0.5
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	15	
Operating temperature (°C)	10~35	
Power supply	PSU-V-OEM (90-264VAC)	
	PSU-I-OEM (7/12VDC)	
TTL/Analog modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	



PGL-V-H-450	Dimensions	PSU-V-OEM	PSU-I-OEM
 <p>97 (L) ×40(W) ×40(H) mm³, 0.2 kg</p>	 <p>97, 40, 40, 1.5, 20, 10, 40, 40, 35</p>	 <p>105 (L) ×47(W) ×38(H) mm³, 0.2 kg</p>	 <p>110 (L) ×70(W) ×47(H) mm³, 0.3 kg</p>