

PGL-FS-405/1~100mW

### BLUE DIODE LASER MODULE AT 405 nm

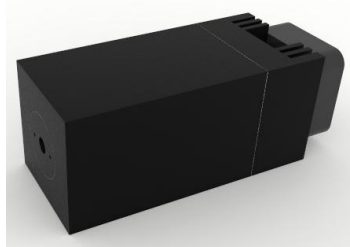
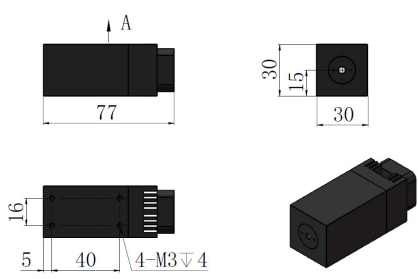
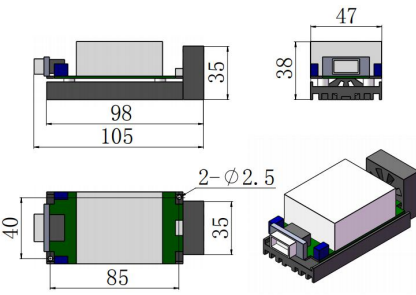
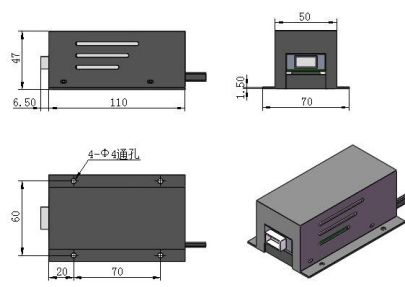
Diode laser module at 405 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser pointing, show and light applications. Very good beam properties make it useful in RGB mixed laser systems.



#### SPECIFICATIONS

Wavelength (nm)	405±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20, ..., 100	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM <sub>00</sub>	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~3.5	
Beam divergence, full angle (mrad)	<0.5	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	15	
Pointing stability after warm-up (mrad)	<0.05	
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-FS-405	Dimensions	PSU-V-OEM	PSU-I-OEM
 <p>77 (L) × 30(W) × 30(H) mm<sup>3</sup>, 0.2 kg</p>		 <p>105 (L) × 47(W) × 38(H) mm<sup>3</sup>, 0.2 kg</p>	 <p>110 (L) × 70(W) × 47(H) mm<sup>3</sup>, 0.3 kg</p>