

PRL-FS-637/1~200mW

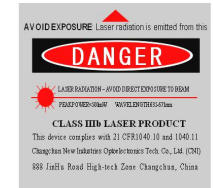
**RED DIODE LASER  
AT 637 nm**

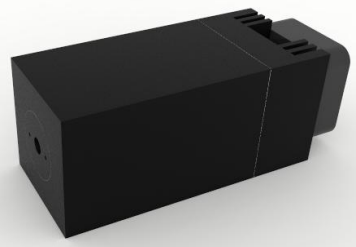
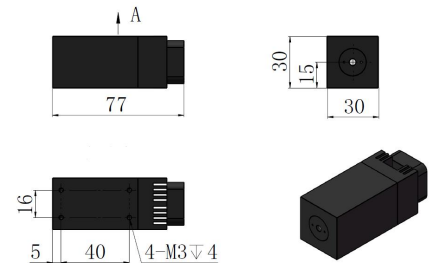
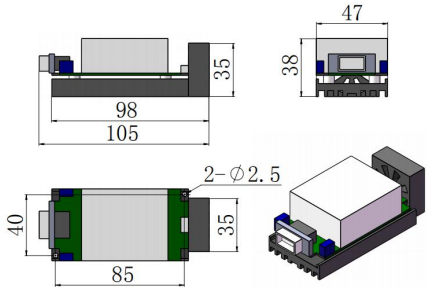
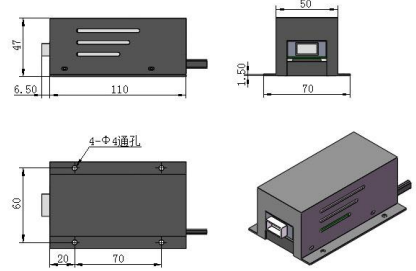
Red diode laser at 637 nm is made features of round beam, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	637±5	
Operating mode	CW	
Output power (mW)	>1, 10, 30,..., 200	
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)	<1.0	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	15	
Operating temperature (°C)	10~35	
Power supply	PSU-V-OEM (90-264VAC)	PSU-I-OEM (5/12VDC)
TTL/Analog modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	



PRL-FS-637	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>