

TEM-F-450/1~20mW (TEM<sub>00</sub>)



BLUE DIODE LASER  
AT 450nm

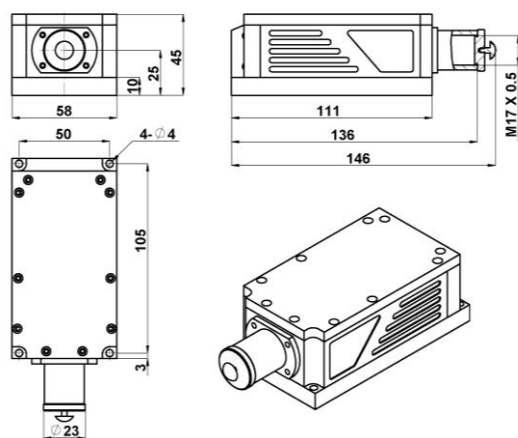
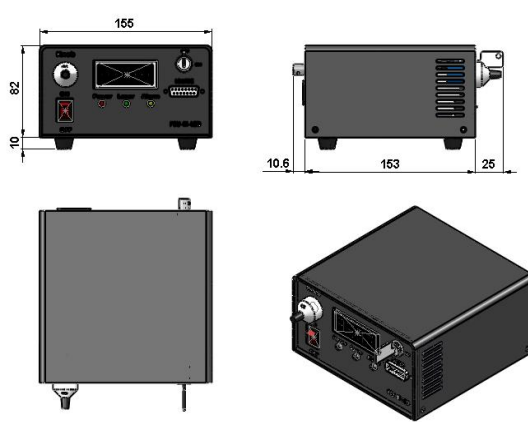
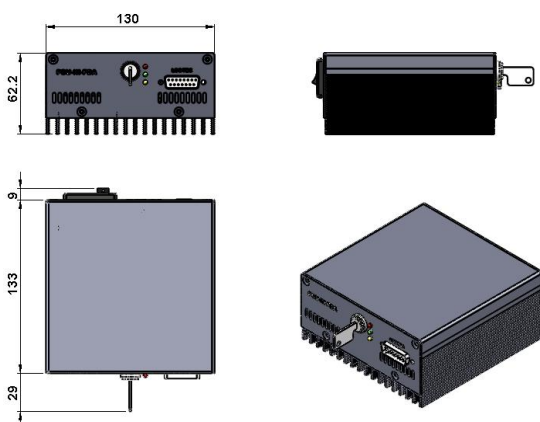
Red diode laser at 450nm is made features of TEM<sub>00</sub> mode, ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in measurement, communication, spectrum analysis, etc



SPECIFICATIONS

Wavelength (nm)	450±10	
Operating mode	CW	
Output power (mW)	>1,2,3.....,20	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	TEM <sub>00</sub>	
Ellipticity	>0.95	
M <sup>2</sup> factor	<1.1	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.0	
Beam divergence, full angle (mrad)	<1.5	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	25	
Operating temperature (°C)	25+/-3	
Power supply (85-264VAC)	PSU-III-LED	PSU-III-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



TEM-F-450	PSU-III-LED	PSU-III-FDA
 <p>146 (L) ×58(W) ×45 (H) mm<sup>3</sup>, 0.7kg</p>	 <p>188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	 <p>171(L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</p>