

TEM-F-830SLD/1~20mW (TEM₀₀)



**Super Luminescent Diode(SLD)
AT 830nm**

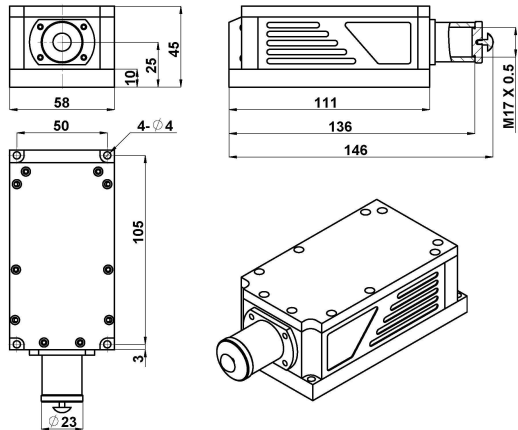
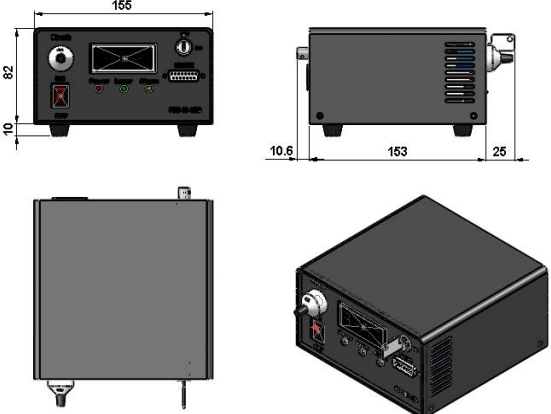
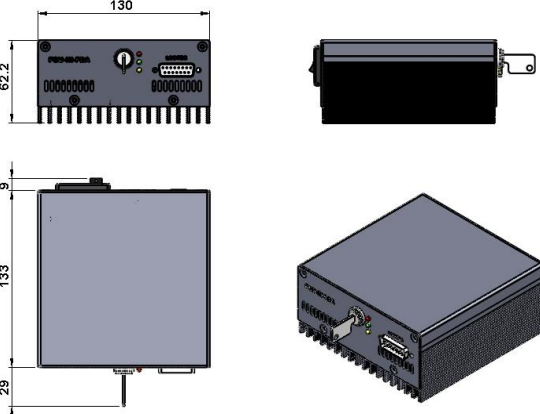
It features TEM₀₀ mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement Sensor, spectrum analysis, OTC Medical Imaging, Broadband Light Source etc.



SPECIFICATIONS

Central wavelength (nm)	830±5	
Operating mode	CW	
ASE Output power (mW)	>1,2,...,20	
Optical Bandwidth (nm)	20	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Max Gain Ripple (dB) rms	0.04	
Transverse mode	TEM ₀₀	
Ellipticity	>0.95	
M ² factor	<1.1	
Beam diameter at the aperture (1/e ² ,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-830SLD	PSU-III-LED	PSU-III-FDA
 <p>146 (L) × 58 (W) × 45 (H) mm³, 0.7kg</p>	 <p>188.6 (L) × 155 (W) × 92 (H) mm³, 1.5kg</p>	 <p>171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p>