

TEM-F-830SLD/1-20mW



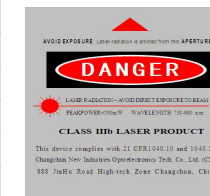
Super Luminescent Diode(SLD)
AT 830nm

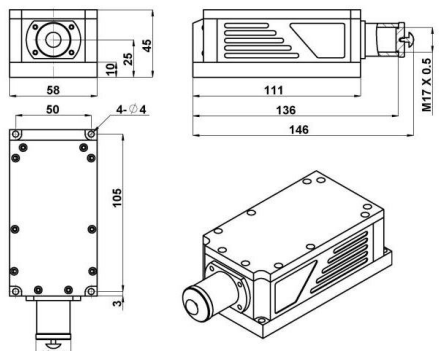
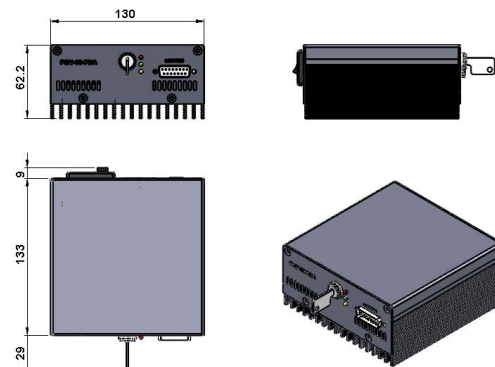
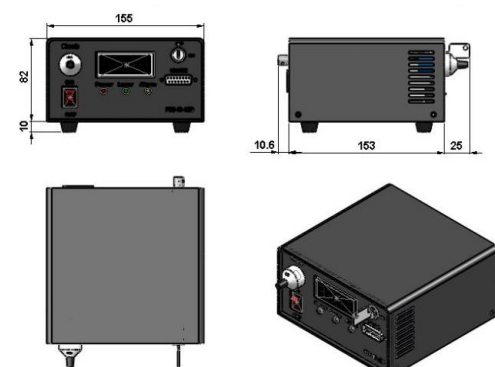
It features TEM₀₀ mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement Sensor, spectrum analysis, OTC Medical Imaging, Broadband Light Source etc.



SPECIFICATIONS

Central wavelength (nm)	830±20	
Operating mode	CW	
Output power (mW) ¹	1-10	10-20
Optical Bandwidth (nm)	40	
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%	
Transverse mode	TEM ₀₀	
Ellipticity	>0.95	
M ²	<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-FDA /PSU-III-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	



LASER HEAD	POWER SUPPLY (PSU-III-FDA) ²	POWER SUPPLY (PSU-III-LED) ³
 <p>146 (L) × 58(W) × 45 (H) mm³, 0.7kg</p>	 <p>171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p>	 <p>188.6 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

3 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.