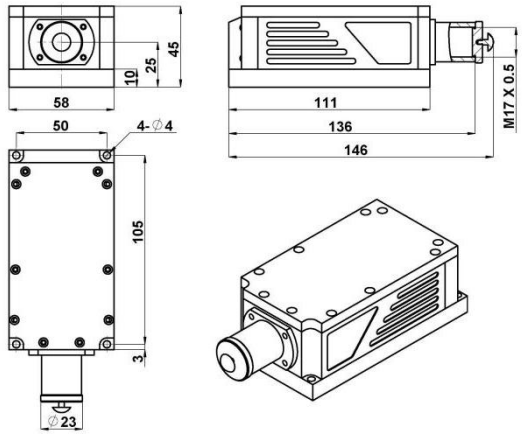
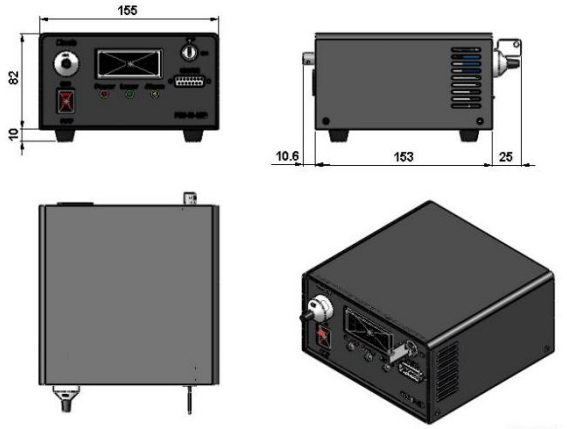
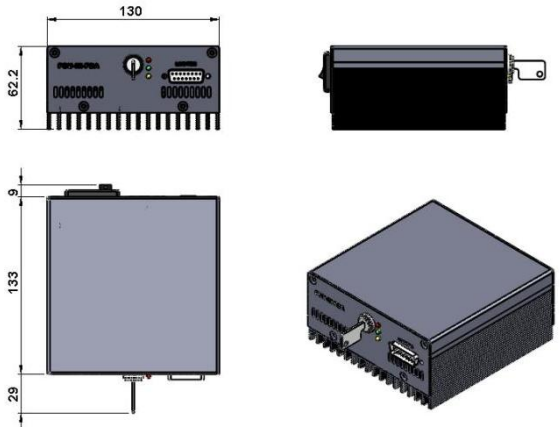
TEM-F-830SLD/1~20mW（TEM_{00}）

Super Luminescent Diode(SLD) AT 830nm

It features TEM_{00} 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 (℃)	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
		
146 (L) ×58(W) ×45 (H) mm^3, 0.7kg	188.6 (L) ×155(W) ×92 (H) mm^3, 1.5kg	171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

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