

TEM-F-1470DFB/1~20mW (TEM₀₀)



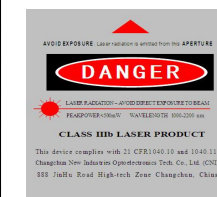
INFRARED DIODE LASER
AT 1470nm

It features TEM₀₀ mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc

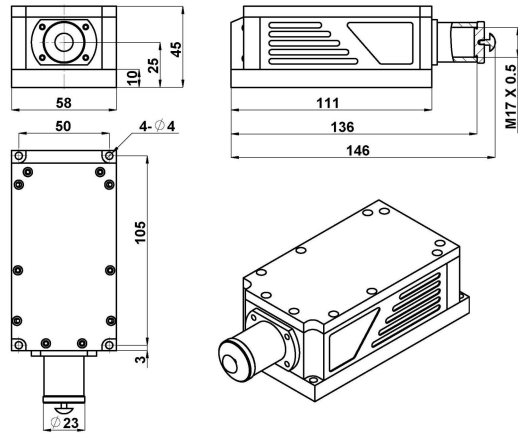
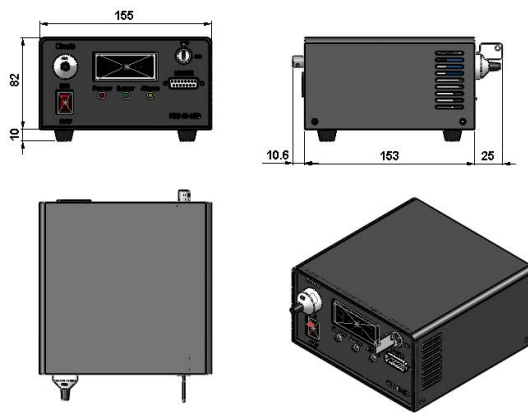
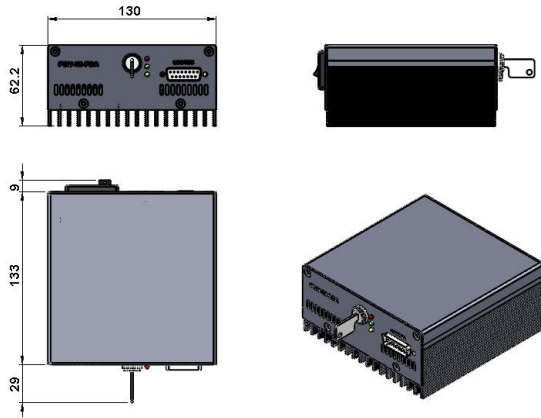


SPECIFICATIONS

Central wavelength (nm)	1470±2
Operating mode	CW
Output power (mW)	>1,2,3.....,20
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%
Transverse mode	TEM ₀₀
Ellipticity	>0.95
M ² factor	<1.1
Spectral linewidth (MHz)	~3
Beam diameter at the aperture (1/e ² ,mm)	~1.0
Beam divergence, full angle (mrad)	<1.5
SMSR (dB)	35
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



Note: The laser head needs to be used on a heat sink with good heat dissipation.

TEM-F-1470DFB	PSU-III-LED	PSU-III-FDA
 146 (L) × 58(W) × 45 (H) mm³, 0.7kg	 188.6 (L) × 155(W) × 92 (H) mm³, 1.5kg	 171(L) × 130(W) × 62.2 (H) mm³, 1.2kg

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