TEM-F-975/1~1000mW（TEM_{00}）

INFRARED DIODE LASER AT 975nm

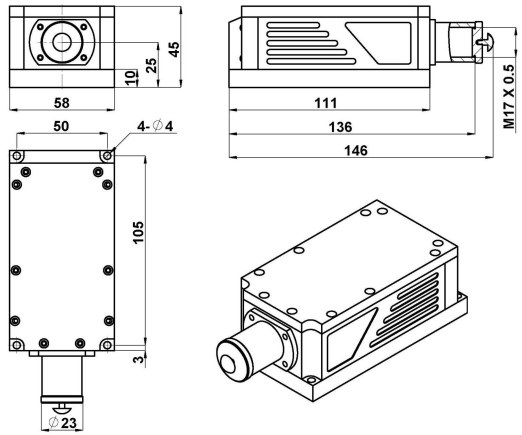
It features TEM_{00} mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc

SPECIFICATIONS

Central wavelength (nm)	975±5	975±2
Operating mode	CW	
Output power (mW)	>1, 2, 3, …,20	>20, 50, 100, …,1000
Power stability (rms, over 4 hours) 25℃	<3%, <2%, <1%	
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	

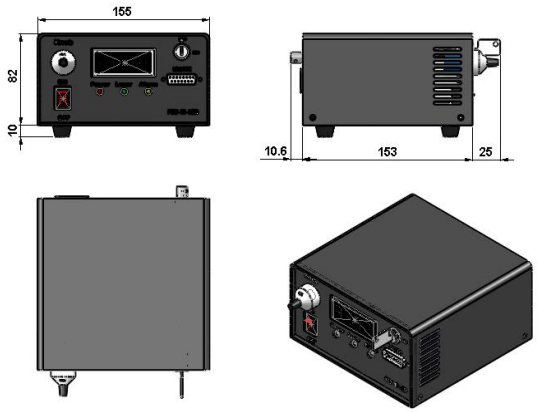
Note: The laser head needs to be used on a heat sink with good heat dissipation.

TEM-F-975



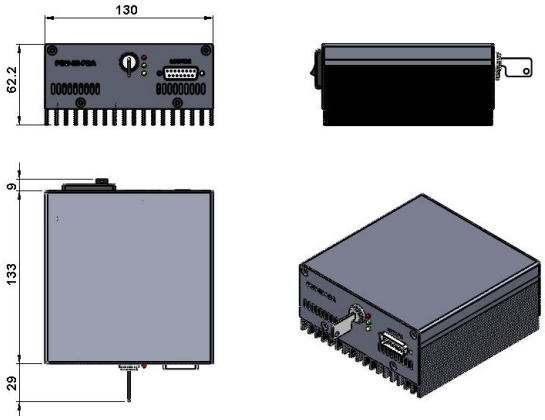
146 (L) ×58(W) ×45 (H) mm^3, 0.7kg

PSU-III-LED



188.6 (L) ×155(W) ×92 (H) mm^3, 1.5kg

PSU-III-FDA



171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg

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