



MLL-U series (570-700nm)



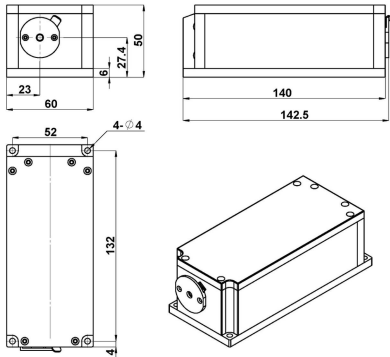
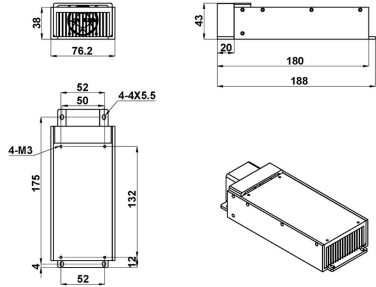
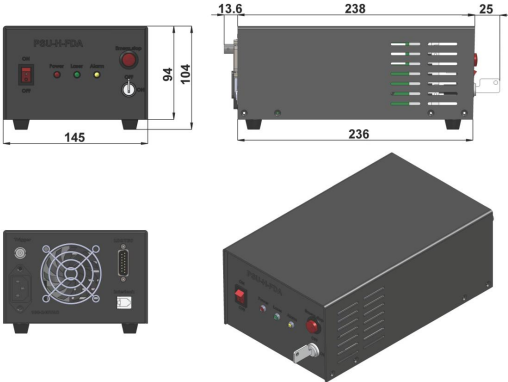
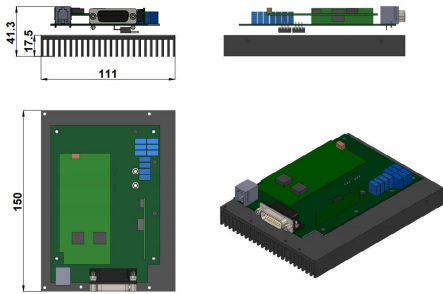
ULTRA- LOW NOISE DPSS LASER

Ultra low noise laser is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	577±2	588±2	589±1	671±1	
Operating mode	CW				
Output power (mW) ¹	1-200	1-200	1-200	1-300	300-500
Power stability (rms, over 4 hours)	<3% , <2%, <1%				<3%, <2%
Transverse mode	TEM ₀₀				
Spectral line width (nm)	<0.1, <0.003				
Noise of amplitude (rms,1-20MHz)	<1%	<1%, <0.5%			
M ²	<1.2				
Beam diameter at the aperture (1/e ² , mm)	<1.0				
Beam divergence, full angle (mrad)	<1.5				
Polarization Ratio	>100:1, Horizontal (Vertical Optional)				
Warm-up time (minutes)	<5				
Pointing Stability(μrad) (over 2 hours after warm-up and ±3°C)	<50				
Pointing Stability Over Temperature(μrad/°C)	<8				
Beam height from base plate (mm)	27.4				
Operating Temperature (°C)	10-35				
Power supply(100-240VAC)	PSU-H-FDA				
Operating voltage (VAC)	PSU-SR-OEM(12V25A)				
Expected lifetime (hours)	>10000				

LASER HEAD ²	HEATSINK(OPTIONAL TC-04-FS)
 142.5(L)×60(W)×50(H)mm³, 1.0 kg	 188(L)×76.2(W)×43(H) mm³, 0.65 kg
POWER SUPPLY (PSU-H-FDA) ³	DRIVER (PSU-SR-OEM) ³
 276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg	 150(L) ×111(W) ×41.3(H) mm³, 0.8kg

- 1.Any power level can be selected in this range.
- 2.The laser head needs to be used on a heat sink with good heat dissipation.
- 3.Fixed output power.