



MLL-U series (400-570nm)



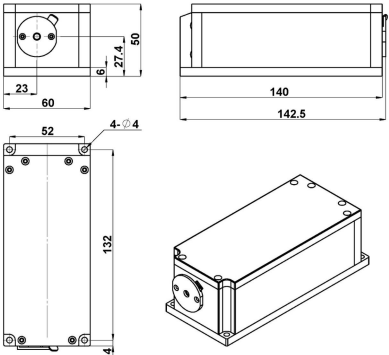
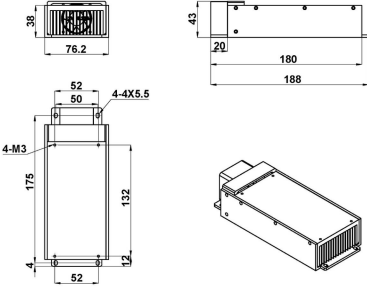
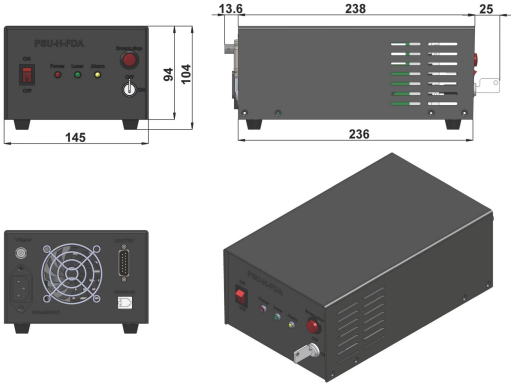
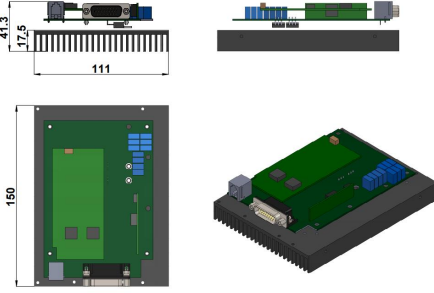
ULTRA- LOW NOISE DPSS LASER

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

Wavelength (nm)	457±1		473±1	532±1		550±1	561±1
Operating mode	CW						
Output power (mW) ¹	1-200	200-350	1-100	300-500	500-1500	1-100	80-200
Power stability (rms, over 4 hours)	<3%, <2%, <1%				<3%, <2%	<2%, <1% (<0.5% Optional)	<3%, <2%, <1%
Transverse mode	TEM ₀₀						
Spectral line width (nm)	<0.1, <0.003						
Noise of amplitude (rms, 1-20MHz)	<1%			<1%, <0.5%	<1%	<1%, <0.5%	
M ²	<1.5		<1.2				
Beam diameter at the aperture (1/e ² , mm)	<1.0						
Beam divergence, full angle (mrad)	<1.5						
Polarization Ratio	>100:1, Vertical (Horizontal 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 (VDC)	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.