



MLL-U series



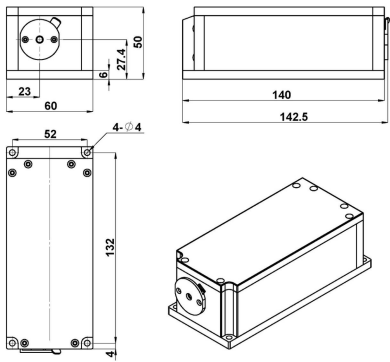
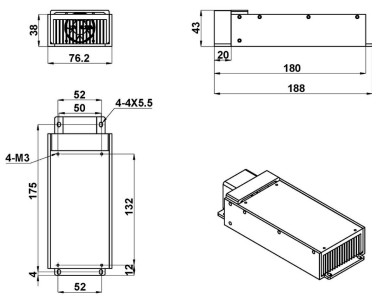
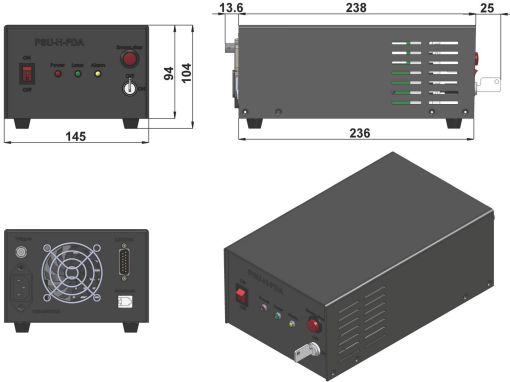
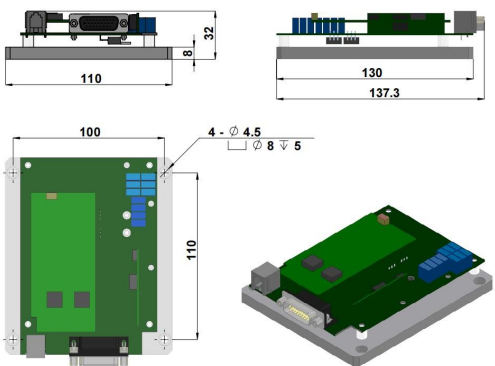
ULTRA- LOW NOISE DPSS LASER

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)	532±1		550±1	561±1
Operating mode	CW			
Output power (mW) ¹	300-500	500-1500	1-100	1-200
Power stability (rms, over 4 hours)	<2%, <1%(<0.5% Optional)	<3%, <2%, <1%	<2%, <1%(<0.5% Optional)	<3%, <2%, <1%
Transverse mode	TEM ₀₀			
Spectral line width (nm)	<0.1, <0.003			
Noise of amplitude (rms, 20Hz-20MHz)	<1%, <0.5%		<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, Vertical (Horizontal Optional)			
Warm-up time (minutes)	<5			
Pointing stability (urad)(over 2 hours after warm-up and ±3°C)	<50			
Pointing stability Over Temperature(urad/°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(12V/25A)			
Expected lifetime (hours)	>10000			

LASER HEAD	HEATSINK(OPTIONAL TC-04-FS)
 142.5(L)×60(W)×50(H)mm³, 1.0 kg	 188(L)×76.2(W)×43(H) mm³, 1.25 kg
POWER SUPPLY (PSU-H-FDA) ²	POWER SUPPLY (PSU-SR-OEM) ³
 276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg	 137.3(L) ×110(W) ×32(H) mm³, 0.5 kg

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.