



MLL-U-xxx-FL series

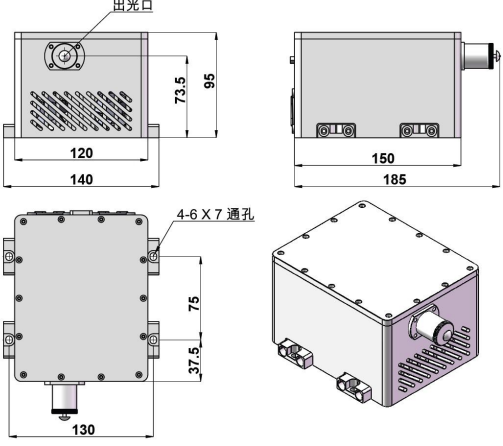
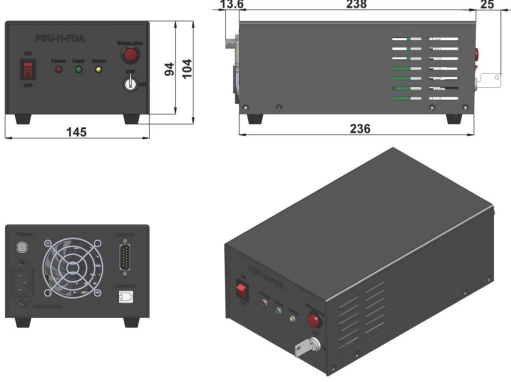
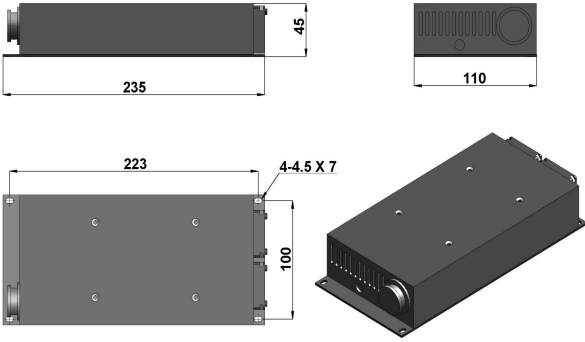
LOW NOISE INFRARED LASER

All solid state low noise infrared laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

Part number	MLL-U-1319-FL	
Wavelength (nm)	1319±1	
Operating mode	CW	
Output power (mW)	1-1000	
Power stability (rms, over 4 hours)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
Spectral line width (nm)	<1.0, <0.2	
Noise of amplitude (rms, 1Hz~20MHz)	<1%	
M ² factor	<2.0	
Beam diameter at the aperture (1/e ² , mm)	~1.5	
Beam divergence, full angle (mrad)	<1.5	
Polarization Ratio	>100:1, Horizontal (Vertical Optional)	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	73.5	
Operating Temperature (°C)	10-35	
Power supply	90-264VAC	PSU-H-FDA
	DC 12V	PSU-H-OEM
Expected lifetime (hours)	10000	
Warranty	1 year	

LASER HEAD	POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-H-OEM)
 185(L)×140(W)×95(H) mm³, 1.6 kg	 276.6(L)×145(W)×103.6(H) mm³, 2.3 kg	 235(L)×110(W)×45(H)mm³, 1.1kg