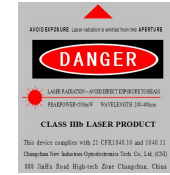


MLL-U series



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)	457±1		473±1		532±1		550±1		561±1		577±2					
Operating mode	CW															
Output power (mW)	1-200		200-350		1-100		300-500		500-1500		80-100		1-200		1-200	
Power stability (rms, over 4 hours)	<3%, <2%		<5%, <3%		<5%, <3%, <1%		<3%, <2%, <1%		<3%, <2%		<3%, <2%, <1%		<3%, <2%, <1%		<3%, <2%, <1%	
Transverse mode	TEM ₀₀															
Spectral line width (nm)	<0.1, <0.003															
Noise of amplitude (rms, 1Hz~20MHz)	<1%				<1%, <0.5%				<1%		<1%, <0.5%		<1%			
M ² factor	<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)										>100:1, Horizontal (Vertical Optional)					
Warm-up time (minutes)	<5															
Pointing stability after warm-up (mrad)	<0.05															
Beam height from base plate (mm)	27.4															
Operating Temperature (°C)	10-35															
Power supply	90-264VAC				PSU-H-FDA											
	DC 12V				PSU-H-OEM											
Expected lifetime (hours)	10000															
Warranty	1 year															

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

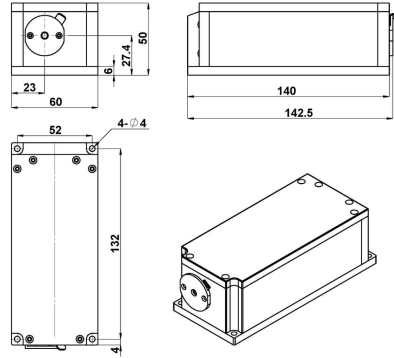
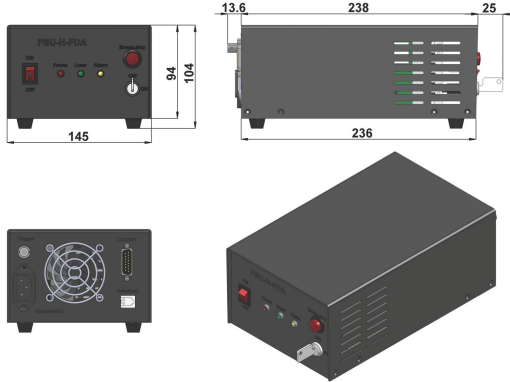
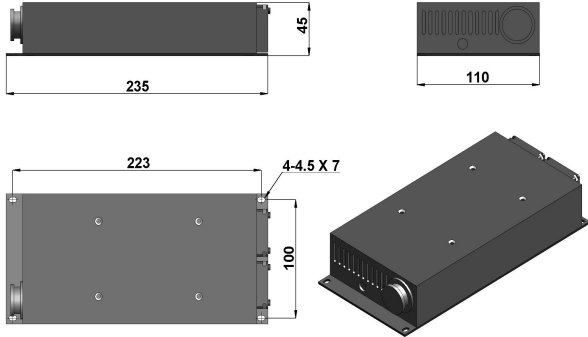


SPECIFICATIONS

Central wavelength (nm)	588±2	589±1	671±1	
Operating mode	CW			
Output power (mW)	1-200	1-200	1-300	300-500
Power stability (rms, over 4 hours)	<3% , <2%, <1%, <0.5%	<3% , <2%, <1%, <0.5%	<3%, <2%, <1%	<3%, <2%
Transverse mode	TEM ₀₀			
Spectral line width (nm)	<0.1, <0.003			
Noise of amplitude (rms, 1Hz~20MHz)	<1%, <0.5%			
M ² factor	<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 after warm-up (mrad)	<0.05			
Beam height from base plate (mm)	27.4			
Operating Temperature (°C)	10-35			
Power supply	90-264VAC	PSU-H-FDA		
	DC 12V	PSU-H-OEM		
Expected lifetime (hours)	10000			
Warranty	1 year			

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



LASER HEAD	POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-H-OEM)
 <p data-bbox="389 778 651 802">142.5(L)×60(W)×50(H)mm³, 1.0 kg</p>	 <p data-bbox="981 778 1290 802">276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg</p>	 <p data-bbox="1621 778 1883 802">235(L) ×110(W) ×45(H)mm³, 1.1kg</p>