



MLL-H 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 instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

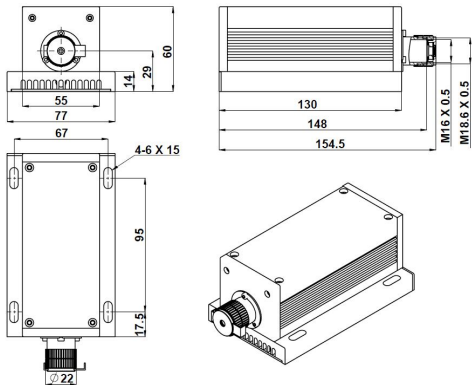
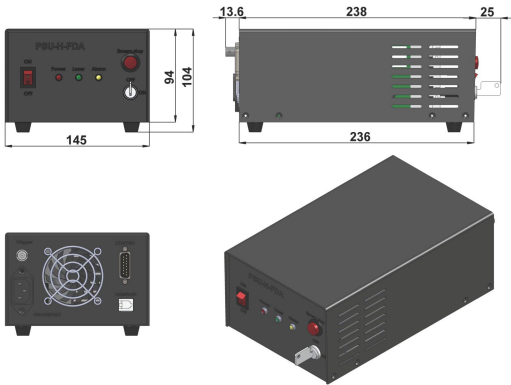
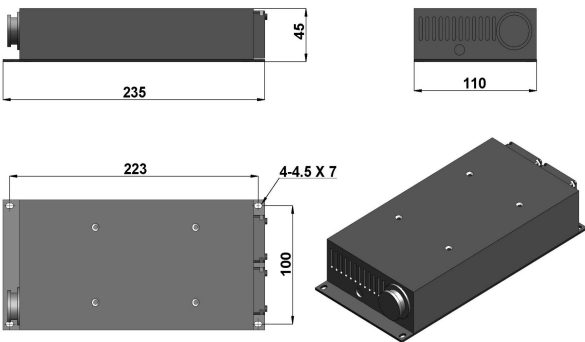
Wavelength (nm)		914±1	946±1	1040±1	1047±1	1053±1	1064±1
Operating mode		CW					
Output power (mW)		1-800	1-800	1-100	1-1000	1-1500	1-3000
Power stability (rms, over 4 hours)		<3%, <2%, <1%	<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%	<3%, <2%, <1%	<3%, <2%, <1%
Transverse mode		TEM ₀₀					
Spectral line width (nm)		<0.1					
Noise of amplitude (rms, 20Hz~20MHz)		<1%		<3%	<1%		
M ² factor		<1.5					
Beam diameter at the aperture (1/e ² , mm)		~1.5					
Beam divergence, full angle (mrad)		<2.0					
Polarization Ratio		/		>3:1 (Arbitrarily degree)	>100:1, Horizontal (Vertical Optional)		
Warm-up time (minutes)		<5					
Pointing stability after warm-up (mrad)		<0.05					
Beam height from base plate (mm)		29					
Operating Temperature (°C)		10-35					
Power supply	90-264VAC	PSU-H-FDA					
	DC 12V	PSU-H-OEM					
Expected lifetime (hours)		10000					
Warranty		1 year					



SPECIFICATIONS

Wavelength (nm)		1313±1		1342±1	
Operating mode		CW			
Output power (mW)		1-800	800-1000	1-2000	
Power stability (rms, over 4 hours)		<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%	
Transverse mode		TEM ₀₀			
Spectral line width (nm)		<0.1			
Noise of amplitude (rms, 20Hz~20MHz)		<1%			
M ² factor		<1.5			
Beam diameter at the aperture (1/e ² , mm)		~1.5			
Beam divergence, full angle (mrad)		<2.0			
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)		29			
Operating Temperature (°C)		10-35			
Power supply	90-264VAC	PSU-H-FDA			
	DC 12V	PSU-H-OEM			
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LASER HEAD	POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-H-OEM)
 197(L)×70(W)×50(H)mm³, 1.5 kg	 276.6(L) × 145(W) × 103.6(H) mm³, 2.3 kg	 235(L) × 110(W) × 45(H)mm³, 1.1kg