

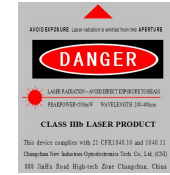


**MLL-H series**



**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%	<3%, <2%, <1%	<3%, <2%, <1%
Transverse mode	TEM <sub>00</sub>					
Spectral line width (nm)	<0.1					
Noise of amplitude (rms, 1Hz~20MHz)	<1%		<3%	<1%		
M <sup>2</sup> factor	<2.0		<1.2	<2.0		
Beam diameter at the aperture (1/e <sup>2</sup> , 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/PSU-H-OEM					
Expected lifetime (hours)	10000					
Warranty	1 year					



**SPECIFICATIONS**

Wavelength (nm)	1313±1		1319±1		1342±1
Operating mode	CW				
Output power (mW)	1-800	800-1000	1-1000	1000-1500	1-2000
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%
Transverse mode	TEM <sub>00</sub>				
Spectral line width (nm)	<0.1				
Noise of amplitude (rms, 1Hz~20MHz)	<1%				
M <sup>2</sup> factor	<2.0				
Beam diameter at the aperture (1/e <sup>2</sup> , 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/PSU-H-OEM				
Expected lifetime (hours)	10000				
Warranty	1 year				



LASER HEAD	POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-H-OEM)
<p><b>197(L)×70(W)×50(H)mm<sup>3</sup>, 1.5 kg</b></p>	<p><b>276.6(L) ×145(W) ×103.6(H) mm<sup>3</sup>, 2.3 kg</b></p>	<p><b>235(L) ×110(W) ×45(H)mm<sup>3</sup>, 1.1kg</b></p>