



**MLL-F 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 widely used in scientific experiment, laser fluorescence, etc.



**SPECIFICATIONS**

Wavelength (nm)	457±1		577±2		671±1		1030±1	
Operating mode	CW							
Output power (mW)	1-400	400-1000	1-200	200-300	1000-1500		20-50	50-100
Power stability (rms, over 4 hours)	<3%, <2%		<3%, <2%, <1%	<3%, <2%		<3%, <2%, <1%		<3%, <2%, <1%
Transverse mode	Near TEM <sub>00</sub>	Near TEM <sub>01</sub> (Near TEM <sub>00</sub> on request)		TEM <sub>00</sub>				
Spectral line width (nm)	<0.1							
Noise of amplitude (rms, 1Hz~20MHz)	<3%			<1%				
M <sup>2</sup> factor	<2.0			<1.2			<1.5	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~3.0		<3.0		~3.0		~2.0	
Beam divergence, full angle (mrad)	<1.5				<2.0			
Polarization Ratio	>100:1, Vertical (Horizontal Optional)		>100:1, Horizontal (Vertical Optional)		>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)	45							
Operating Temperature (°C)	10-35							
Power supply (90-264VAC)	PSU-H-FDA/PSU-H-OEM							
Expected lifetime (hours)	10000							
Warranty	1 year							

LASER HEAD	LASER HEAD (MLL-F-355/ 349/ 1030)
<p style="text-align: center;"><b>211 (L)×88(W) ×74(H) mm<sup>3</sup>, 1.6 kg</b></p>	<p style="text-align: center;"><b>211 (L)×88(W) ×74(H) mm<sup>3</sup>, 1.6 kg</b></p>
POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-H-OEM)
<p style="text-align: center;"><b>276.6(L) ×145(W) ×103.6(H) mm<sup>3</sup>, 2.3 kg</b></p>	<p style="text-align: center;"><b>235(L) ×110(W) ×45(H) mm<sup>3</sup>, 1.1kg</b></p>