

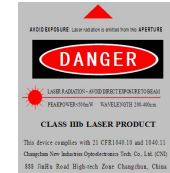


MLL-F series



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

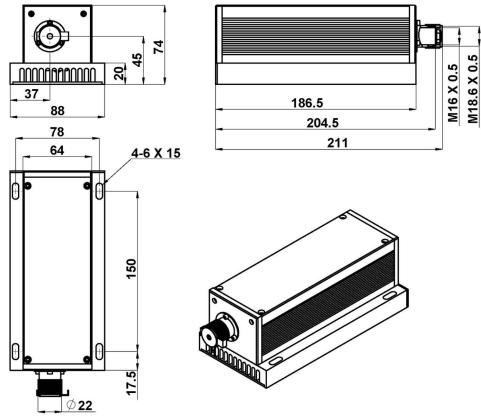
Wavelength (nm)	360±1	457±1		577±2	
Operating mode	CW				
Output power (mW)	1-50	1-400	400-1000	1-200	200-300
Power stability (rms, over 4 hours)	<5%, <3%, <2%, <1%	<10%, <5%, <3%		<3%, <2%, <1%	<5%, <3%, <2%
Transverse mode	TEM ₀₀	Near TEM ₀₀	Near TEM ₀₁ (Near TEM ₀₀ on request)	TEM ₀₀	
Spectral line width (nm)	<0.2				
Noise of amplitude (rms, 1Hz~20MHz)	<1%, <0.5%	<3%		<1%	
M ² factor	<1.5	<2.0		<1.2	
Beam diameter at the aperture (1/e ² , mm)	<1.2	~3.0		<3.0	
Beam divergence, full angle (mrad)	<1.0	<1.5			
Polarization Ratio	>50:1, (>100:1, optional) (Horizontal or Vertical Optional)	>100:1, (Horizontal or Vertical Optional)			
Warm-up time (minutes)	<10	<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				



SPECIFICATIONS

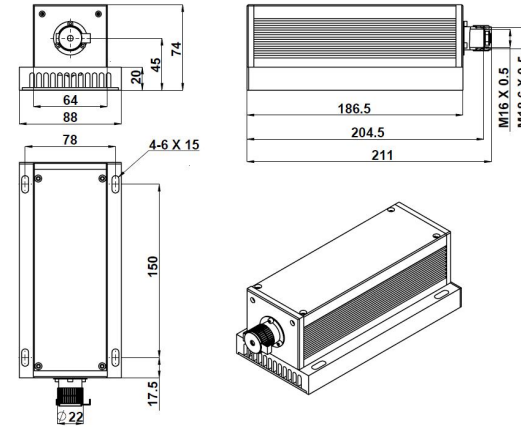
Wavelength (nm)	671±1	1030±1	
Operating mode	CW		
Output power (mW)	1000-1500	20-50	50-100
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<5%, <3%, <2%, <1%	<5%, <3%, <2%
Transverse mode	TEM ₀₀		
Spectral line width (nm)	<0.2		
Noise of amplitude (rms, 1Hz~20MHz)	<1%		
M ² factor	<1.2	<1.5	
Beam diameter at the aperture (1/e ² , mm)	~3.0	~2.0	
Beam divergence, full angle (mrad)	<2.0		
Polarization Ratio	>100:1, (Horizontal or 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 (800-264VAC)	PSU-H-FDA/PSU-H-OEM		
Expected lifetime (hours)	10000		
Warranty	1 year		

LASER HEAD



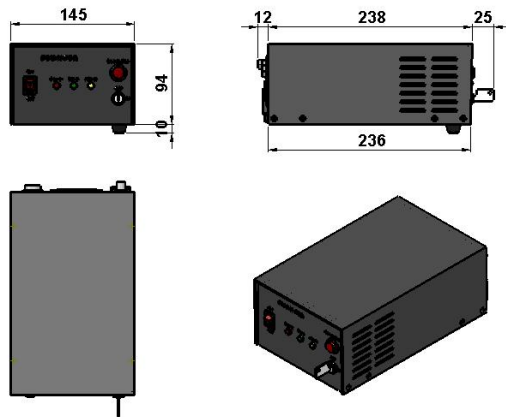
211 (L)×88(W)×74(H) mm³, 1.6 kg

LASER HEAD (MLL-F-355/ 349/ 1030)



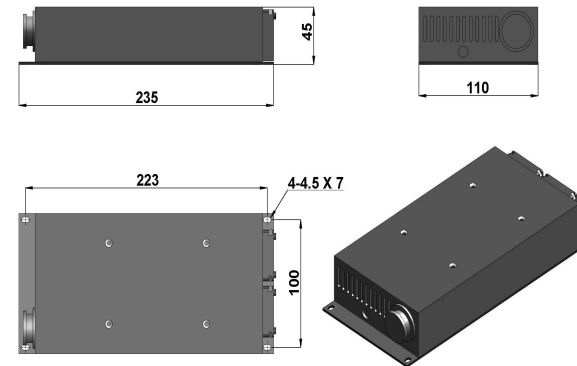
211 (L)×88(W)×74(H) mm³, 1.6 kg

POWER SUPPLY (PSU-H-FDA)



275(L)×145(W)×104(H) mm³, 2.3 kg

POWER SUPPLY (PSU-H-OEM)



235(L)×110(W)×45(H) mm³, 1.1kg