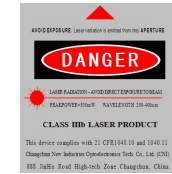


MxL-F series



LD PUMPED ALL-SOLID-STATE LASER

All solid state laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Part number	MBL-F-457		MBL-F-473		MBL-F-480	MGL-F-515
Wavelength (nm)	457±1		473±1		480±1	515±1
Operating mode	CW					
Output power (mW)	30-400	400-1000	1-300	300-500	1-50	1-100
Power stability (rms, over 4 hours)	<5%, <3%, <2%	<10%, <5%	<3%, <2%, <1%		<10%, <5%	<5%, <3%, <2%
Transverse mode	Near TEM ₀₀	Near TEM ₀₁ . (Near TEM ₀₀ on request)	TEM ₀₀	Near TEM ₀₀	Near TEM ₀₀	
M ² factor	<2.0					<2.0
Beam diameter at the aperture (1/e ² , mm)	~2.0				~3.0	
Beam divergence, full angle (mrad)	<1.5					<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					
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional					
Power supply (90-264VAC)	PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR					
Expected lifetime (hours)	10000					
Warranty	1 year					



SPECIFICATIONS

Part number	MGL-F-540		MGL-F-577		MGL-F-588
Wavelength (nm)	540±1		577±2		588±2
Operating mode	CW				
Output power (mW)	1-200	200-500	1-300	300-600	1-300
Power stability (rms, over 4 hours)	<3%, <2%, <1%		<3%, <2%, <1%		<3%, <2%, <1% , <0.5%
Transverse mode	TEM ₀₀	Near TEM ₀₀	TEM ₀₀	Multi mode	TEM ₀₀
M ² factor	<1.5		<1.5	<3.0	<1.5
Beam diameter at the aperture (1/e ² , mm)	<2.0		<3.0		<2.5
Beam divergence, full angle (mrad)	<2.0		<1.5		<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				
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional				
Power supply (90-264VAC)	PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR				
Expected lifetime (hours)	10000				
Warranty	1 year				



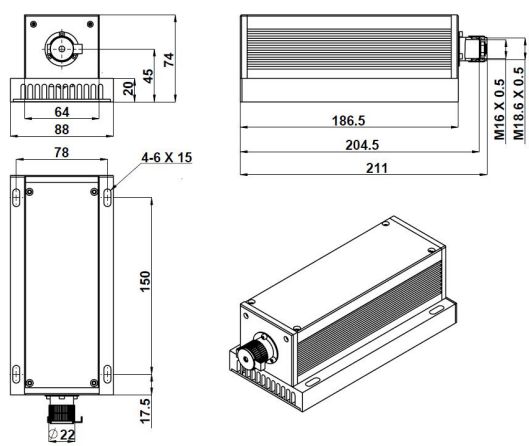
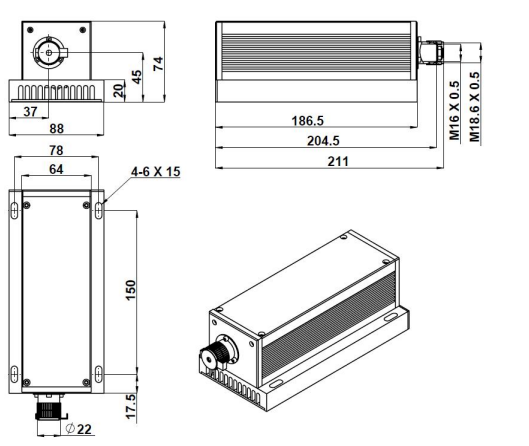

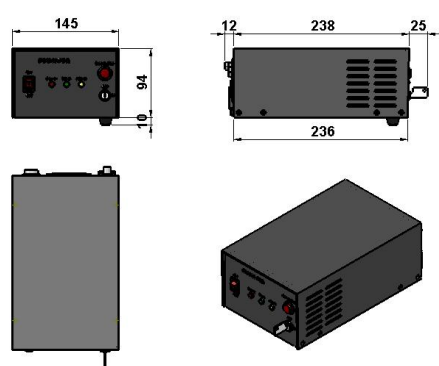
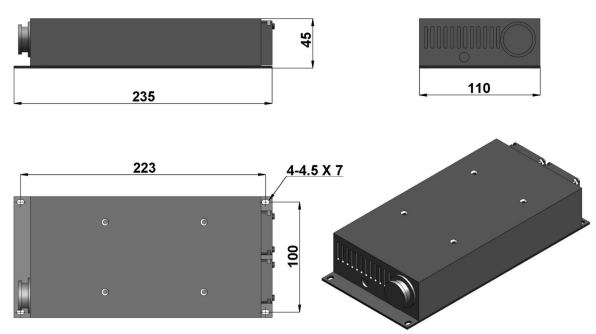
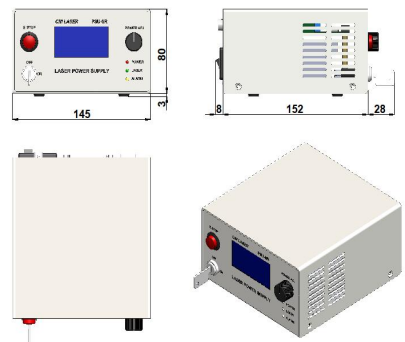
SPECIFICATIONS

Part number	MGL-F-589	MRL-F-671
Wavelength (nm)	589±1	671±1
Operating mode	CW	
Output power (mW)	1-300	1-1500
Power stability (rms, over 4 hours)	<3%, <2%, <1% , <0.5%	<5%, <3%, <2%, <1%
Transverse mode	TEM ₀₀	
M ² factor	<1.5	
Beam diameter at the aperture (1/e ² , mm)	<2.5	
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	
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional	
Power supply (90-264VAC)	PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR	
Expected lifetime (hours)	10000	
Warranty	1 year	



SPECIFICATIONS

Part number	MIL-F-1030		MIL-F-1073		MIL-F-1105
Wavelength (nm)	1030±2		1073±1		1105±1
Operating mode	CW				
Output power (mW)	1-100	100-600	1-800	800-1500	1-500
Power stability (rms, over 4 hours)	<5%, <3%, <2%, <1%	<5%, <3%	<5%, <3%, <2%	<5%, <3%	<5%, <3%, <2%
Transverse mode	TEM ₀₀		Near TEM ₀₀		
M ² factor	<1.5	<2.0			
Beam diameter at the aperture (1/e ² , mm)	~1.5				
Beam divergence, full angle (mrad)	<2.0				
Polarization Ratio	>100:1 Horizontal±5 degree (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				
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional				
Power supply (90-264VAC)	PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR				
Expected lifetime (hours)	10000				
Warranty	1 year				

LASER HEAD (1030/ 1073/ 1105)	LASER HEAD	POWER SUPPLY (PSU-H-LED)
 <p style="text-align: center;">211(L)×88(W)×74(H) mm³, 1.6 kg</p>	 <p style="text-align: center;">211 (L)×88(W)×74(H) mm³, 1.6 kg</p>	 <p style="text-align: center;">277 (L)×145(W)×106 (H) mm³, 2.6 kg</p>
POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-H-OEM)	POWER SUPPLY (PSU-SR)
 <p style="text-align: center;">275(L)×145(W)×104(H) mm³, 2.3 kg</p>	 <p style="text-align: center;">235(L)×110(W)×45(H) mm³, 1.1kg</p>	 <p style="text-align: center;">188(L)×145(W)×83(H) mm³, 1.2kg</p>