

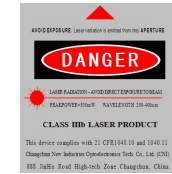


MxL-S-xxx-OEM series



LD PUMPED ALL-SOLID-STATE LASER

All solid state laser is made features of high output power stability, good beam profile, ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost-effectiveness and easy operating, working under the pressure of 0.02kPa, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Model	MBL-S-473-A-OEM (Harsh condition)	MBL-S-473-B-OEM (Normal condition)	MGL-S-532-A-OEM (Harsh condition)	MGL-S-532-B-OEM (Normal condition)
Wavelength (nm)	473±1		532±1	
Operating mode	CW			
Output power (mW)	1-50		1-300	
Power stability (rms, over 4 hours)	<5%, <3%, <2%		<3%, <2%, <1%	
Transverse mode	TEM ₀₀			
M ² factor	<1.2		<1.2 (<1.1 optional)	
Beam diameter at the aperture(1/e ² , mm)	<1.0			
Beam divergence, full angle (mrad)	<1.5			
Polarization ratio	>100:1 (Horizontal or Vertical Optional)			
Pointing stability after warm-up (mrad)	<0.05			
Pointing stability Over Temp. (μrad/°C)	<8			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	19			
Power Consumption(W)	<30			
Shock Tolerance(6ms)	7g laterally, 15g vertically			
IP Rating	IP67	IP65	IP67	IP65
Power supply(90-264VAC)	PSU-H-FDA PSU-SR-DC12V (OEM)	PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)	PSU-H-FDA PSU-SR-DC12V (OEM)	PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)
Operating temperature (°C)	0-60	10-35	0-60	10-35
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C	10W@50°C	4W@25°C
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional			
Expected lifetime (hours)	10000			
Warranty	1 year			

Note: The laser head needs to be used on a heat sink with good heat dissipation.



SPECIFICATIONS

Model	MGL-S-561-OEM (Normal condition)	MGL-S-577-A-OEM (Harsh condition)	MGL-S-577-B-OEM (Normal condition)	MGL-S-588-A-OEM (Harsh condition)	MGL-S-588-B-OEM (Normal condition)
Wavelength (nm)	561±1	577±2		588±2	
Operating mode	CW				
Output power (mW)	1-50	1-30		1-50	
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<5%, <3%, <2%, <1%		<5%, <3%, <1%	
Transverse mode	TEM ₀₀				
M ² factor	<1.2				
Beam diameter at the aperture(1/e ² , mm)	<1.0				
Beam divergence, full angle (mrad)	<1.5				
Polarization ratio	>100:1 (Horizontal or Vertical Optional)				
Pointing stability after warm-up (mrad)	<0.05				
Pointing stability Over Temp. (μrad/°C)	<8				
Warm-up time (minutes)	<5				
Beam height from base plate (mm)	19				
Power Consumption(W)	<30				
Shock Tolerance(6ms)	7g laterally, 15g vertically				
IP Rating	IP65	IP67	IP65	IP67	IP65
Power supply(90-264VAC)	PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)	PSU-H-FDA PSU-SR-DC12V (OEM)	PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)	PSU-H-FDA PSU-SR-DC12V (OEM)	PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)
Operating temperature (°C)	10-35	0-60	10-35	0-60	10-35
Max. Heat Dissipation of Head(W)	/	10W@50°C	4W@25°C	10W@50°C	4W@25°C
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional				
Expected lifetime (hours)	10000				
Warranty	1 year				

Note: The laser head needs to be used on a heat sink with good heat dissipation.



SPECIFICATIONS

Model	MGL-S-589-A-OEM (Harsh condition)	MGL-S-589-B-OEM (Normal condition)	MRL-S-671-A-OEM (Harsh condition)		MRL-S-671-B-OEM (Normal condition)	
Wavelength (nm)	589±1		671±1			
Operating mode	CW		CW			
Output power (mW)	1-50		1-100	100-200	1-100	100-200
Power stability (rms, over 4 hours)	<3%, <2%, <1%		<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%	<3%, <2%
Transverse mode	TEM ₀₀					
M ² factor	<1.2					
Beam diameter at the aperture(1/e ² , mm)	<1.0					
Beam divergence, full angle (mrad)	<1.5					
Polarization ratio	>100:1 (Horizontal or Vertical Optional)					
Pointing stability after warm-up (mrad)	<0.05					
Pointing stability Over Temp. (μrad/°C)	<8					
Warm-up time (minutes)	<5					
Beam height from base plate (mm)	19					
Power Consumption(W)	<30					
Shock Tolerance(6ms)	7g laterally, 15g vertically					
IP Rating	IP67	IP65	IP67		IP65	
Power supply(90-264VAC)	PSU-H-FDA PSU-SR-DC12V (OEM)	PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)	PSU-H-FDA PSU-SR-DC12V (OEM)		PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)	
Operating temperature (°C)	0-60	10-35	0-60		10-35	
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C	10W@50°C		4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation optional					
Expected lifetime (hours)	10000					
Warranty	1 year					

Note: The laser head needs to be used on a heat sink with good heat dissipation.



SPECIFICATIONS

Model	MIL-S-1064-A-OEM (Harsh condition)		MIL-S-1064-B-OEM (Normal condition)	
Wavelength (nm)	1064±1			
Operating mode	CW			
Output power (mW)	1-400	400-1500	1-400	400-1500
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%	<3%, <2%
Transverse mode	TEM ₀₀			
M ² factor	<1.2	<1.5	<1.2	<1.5
Beam diameter at the aperture(1/e ² , mm)	<1.2			
Beam divergence, full angle (mrad)	<1.7			
Polarization ratio	>100:1 (Horizontal or Vertical Optional)			
Pointing stability after warm-up (mrad)	<0.05			
Pointing stability Over Temp. (μrad/°C)	<8			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	19			
Power Consumption(W)	<40			
Shock Tolerance(6ms)	7g laterally, 15g vertically			
IP Rating	IP67		IP65	
Power supply(90-264VAC)	PSU-H-FDA PSU-SR-DC12V (OEM)		PSU-A-D/ PSU-A-F PSU-III-OEM-97 (5VDC)	
Operating temperature (°C)	0-60		10-35	
Max. Heat Dissipation of Head(W)	10W@50°C		4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option			
Expected lifetime (hours)	10000			
Warranty	1 year			

Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD (Harsh condition)	LASER HEAD (Normal condition)	POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-SR-DC12V)
<p style="text-align: center;">110(L)×50(W)×38(H) mm³, 0.6 kg</p>	<p style="text-align: center;">100(L)×40(W)×40(H) mm³, 0.36kg</p>	<p style="text-align: center;">275(L)×145(W)×104(H) mm³, 2.3 kg</p>	<p style="text-align: center;">152(L)×114(W)×50(H) mm³, 0.5kg</p>
POWER SUPPLY (PSU-A-D)	POWER SUPPLY (PSU-A-F)	POWER SUPPLY (PSU-III-OEM-97)	
<p style="text-align: center;">162(L)×144(W)×70(H) mm³, 0.6kg</p>	<p style="text-align: center;">162(L)×144(W)×55(H) mm³, 0.5kg</p>	<p style="text-align: center;">94(L)×75(W)×49(H)mm³, 0.23kg</p>	