

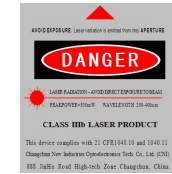


MGL-S series



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	MGL-S-532-A (Harsh condition)	MGL-S-532-B (Normal condition)	MGL-S-561 (Normal condition)	MGL-S-577-A (Harsh condition)	MGL-S-577-B (Normal condition)	MGL-S-588-A (Harsh condition)	MGL-S-588-B (Normal condition)
Wavelength (nm)	532±1		561±1	577±2		588±2	
Operating mode	CW						
Output power (mW)	1-300		1-50	1-30		1-50	
Power stability (rms, over 4 hours)	<3%, <2%, <1%		<3%, <2%, <1%	<3%, <2%, <1%		<3%, <2%, <1%	
Transverse mode	TEM ₀₀						
M ² factor	<1.2, <1.1		<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 (Vertical Optional)		>100:1, Vertical (Horizontal Optional)	>100:1, Horizontal (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	IP65	IP67	IP65	IP67	IP65
Power supply(90-264VAC)	PSU-H-FDA	PSU-A-D/ PSU-A-F	PSU-A-D/ PSU-A-F	PSU-H-FDA	PSU-A-D/ PSU-A-F	PSU-H-FDA	PSU-A-D/ PSU-A-F
Operating temperature (°C)	0-60	10-35	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	10W@50°C	4W@25°C
Modulation optional	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 (Harsh condition)	MGL-S-589-B (Normal condition)
Wavelength (nm)	589±1	
Operating mode	CW	
Output power (mW)	1-50	
Power stability (rms, over 4 hours)	<3%, <2%, <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 (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
Power supply(90-264VAC)	PSU-H-FDA	PSU-A-D/ PSU-A-F
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 optional	
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)	LASER HEAD (MGL-S-561)
<p>110(L)×50(W)×38(H) mm³, 0.6 kg</p>	<p>100 (L) ×40 (W) ×40(H) mm³, 0.36kg</p>	<p>117.5 (L) ×40 (W) ×40(H) mm³, 0.36kg</p>
POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-A-D)	POWER SUPPLY (PSU-A-F)
<p>276.6(L)×145(W)×103.6(H) mm³, 2.3 kg</p>	<p>162 (L) × 144(W) ×70(H) mm³, 0.6kg</p>	<p>162(L) × 144(W) ×55(H) mm³, 0.5kg</p>