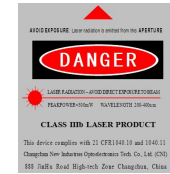


MGL-FN series



LD PUMPED ALL-SOLID-STATE LASER

All solid state laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



SPECIFICATIONS

Part number	MGL-FN-522	MGL-FN-523.5		MGL-FN-526.5		MGL-FN-532		MGL-FN-536	
Wavelength (nm)	522±1	523.5±1		526.5±1		532±1		536±1	
Operating mode	CW								
Output power (mW)	1-400	1-400	400-800	1-200	200-400	300-2500	2500-4000	1-200	200-500
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%, <1%	<3%, <2%	<3%, <2%	<5%, <3%	<3%, <2%, <1%	<3%, <2%	<3%, <2%	<5%, <3%
Transverse mode	Near TEM ₀₀					TEM ₀₀			
M ² factor	<1.5					<1.2, <1.1		<1.5	
Beam diameter at the aperture (1/e ² , mm)	~2.0					<2.0			
Beam divergence, full angle (mrad)						<1.5			
Polarization Ratio	>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)						27.4			
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-SR								
Expected lifetime (hours)						10000			
Warranty						1 year			

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



SPECIFICATIONS

Part number	MGL-FN-537	MGL-FN-543	MGL-FN-543.5	MGL-FN-545	MGL-FN-550	MGL-FN-552
Wavelength (nm)	537±1	543±1	543.5±1	545±1	550±1	552±1
Operating mode	CW					
Output power (mW)	1-30	1-500	500-1000	1-100	1-100	1-200
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%, <1%		<3%, <2%, <1%	<5%, <3%	<5%, <3%
Transverse mode	Near TEM ₀₀	TEM ₀₀	Near TEM ₀₀	TEM ₀₀	Near TEM ₀₀	
M ² factor	<1.5	<1.2		<1.5	<1.5	/
Beam diameter at the aperture (1/e ² , mm)	<2.0					
Beam divergence, full angle (mrad)	<1.5					<2.0
Polarization Ratio	>50:1, Horizontal (Vertical Optional)	>100:1, Vertical (Horizontal Optional)			>50:1, Vertical (Horizontal Optional)	>100:1, Vertical (Horizontal Optional)
Warm-up time (minutes)	<5					
Pointing stability after warm-up (mrad)	<0.05					
Beam height from base plate (mm)	27.4					
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-SR					
Expected lifetime (hours)	10000					
Warranty	1 year					

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



SPECIFICATIONS

Part number	MGL-FN-555	MGL-FN-556		MGL-FN-561		MGL-FN-565	MGL-FN-570	MGL-FN-577
Wavelength (nm)	555±1	556±1		561±1		565±1	570±1	577±2
Operating mode	CW							
Output power (mW)	1-100	1-500	500-800	1-500	500-1000	1-100	1-100	600-1200
Power stability (rms, over 4 hours)	<5%, <3%	<3%, <2%, <1%	<5%, <3%, <2%	<3%, <2%, <1%	<10%, <5%, <3%	<3%, <2%	<3%, <2%	<3%, <2%, <1%
Transverse mode	Near TEM ₀₀	TEM ₀₀	Near TEM ₀₀	TEM ₀₀	Near TEM ₀₀			Multi mode
M ² factor	<2.0	<1.2			<1.5			<2.0
Beam diameter at the aperture (1/e ² , mm)	~2.0	<2.0				<1.5		<2.5
Beam divergence, full angle (mrad)	<2.0	<1.5						
Polarization Ratio	>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)	27.4							
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-SR							
Expected lifetime (hours)	10000							
Warranty	1 year							

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



SPECIFICATIONS

Part number	MGL-FN-588		MGL-FN-589		MGL-FN-594
Wavelength (nm)	588±1		589±1		594±1
Operating mode	CW				
Output power (mW)	200-300	300-800	200-300	300-800	1-50
Power stability (rms, over 4 hours)	<3%, <2%, <1%, 0.5%		<3%, <2%, <1%, 0.5%		<5%, <3%, <2%
Transverse mode	TEM ₀₀	Near TEM ₀₀	TEM ₀₀	Near TEM ₀₀	TEM ₀₀
M ² factor	<1.2	<1.5	<1.2	<1.5	
Beam diameter at the aperture (1/e ² , mm)	<1.5				
Beam divergence, full angle (mrad)	<1.5			<2.0	
Polarization Ratio	>100:1, Horizontal (Vertical Optional)				
Warm-up time (minutes)	<5				
Pointing stability after warm-up (mrad)	<0.05				
Beam height from base plate (mm)	27.4				
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-SR				
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	POWER SUPPLY (PSU-H-LED)
<p style="text-align: center;">197(L)×70(W)×50(H) mm³, 1.5 kg</p>	<p style="text-align: center;">273.6 (L) ×145(W) ×106 (H) mm³, 2.3 kg</p>
POWER SUPPLY (PSU-H-FDA)	POWER SUPPLY (PSU-SR)
<p style="text-align: center;">276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg</p>	<p style="text-align: center;">188(L) ×145(W) ×83(H) mm³, 1.2kg</p>