



MGL-S-588/1~50mW



LD PUMPED ALL-SOLID-STATE GREEN LASER

All solid state laser at 588nm is made features of 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 used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

Model	MGL-S-588-A(Harsh condition)	MGL-S-588-B (Normal condition)
Central wavelength (nm)	588±2	
Operating mode	CW	
Output power (mW)	>1,5,10,20,...,50	
Power stability (rms, over 4 hours)	<1%,<3%,<5%	
Transverse mode	TEM ₀₀	
M ² factor	<1.5	
Beam diameter at the aperture(1/e ² ,mm)	0.7±0.05	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Horizontal±5 degree (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/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	



AVOID EXPOSURE Laser radiation is emitted from this APERTURE
DANGER
LASER RADIATION - AVOID DIRECT EXPOSURE TO BEAM
PEAKPOWER<0.6mW WAVELENGTH 500-600nm
CLASS IIb LASER PRODUCT

This device complies with 21 CFR 1040.10 and 1040.11
Changchun New Industries Optoelectronics Tech. Co., Ltd. (CNL)
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MxL-S-588	PSU-A-D	PSU-A-F	PSU-III-OEM-97
 100 (L) × 40 (W) × 40 (H) mm ³ , 0.36kg	 162 (L) × 144 (W) × 70 (H) mm ³ , 0.6kg	 162 (L) × 144 (W) × 55 (H) mm ³ , 0.5kg	 94 (L) × 75 (W) × 49 (H) mm ³ , 0.23kg
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