



MGL-S-589/1~50mW



LD PUMPED ALL-SOLID-STATE
GREEN LASER

All solid state laser at 589nm 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-589-A(Harsh condition)	MGL-S-589-B (Normal condition)		
Central wavelength (nm)	589±1			
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-DP	PSU-A-FP	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			



MxL-S-589	PSU-A-D	PSU-A-F	PSU-III-OEM-97
<p>100 (L) ×40 (W) ×40(H) mm³, 0.36kg</p>	<p>162 (L) ×144(W) ×70(H) mm³, 0.6kg</p>	<p>162(L) ×144(W) ×55(H) mm³, 0.5kg</p>	<p>94(L) ×75(W) ×49(H)mm³, 0.23kg</p>

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