



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	
Central wavelength (nm)	589±1	
Operating mode	CW	
Output power (mW)	>1,5,10,20,...,50	
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.5	
Beam diameter at the aperture( 1/e <sup>2</sup> , 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	IP65	
Power supply(90-264VAC)	PSU-A-D	PSU-A-F
Operating temperature (°C)	10-35	
Max. Heat Dissipation of Head(W)	4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty	1 year	



MGL-S-589	PSU-A-D	PSU-A-F
<p>100 (L) × 40 (W) × 40 (H) mm<sup>3</sup>, 0.36kg</p>	<p>162 (L) × 144 (W) × 70 (H) mm<sup>3</sup>, 0.6kg</p>	<p>162 (L) × 144 (W) × 55 (H) mm<sup>3</sup>, 0.5kg</p>