



MGL-S-589-OEM/1~50mW



LD PUMPED ALL-SOLID-STATE  
YELLOW 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

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%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.2
Beam diameter at the aperture( 1/e <sup>2</sup> ,mm)	<1.0
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-F/PSU-III-OEM-97(5VDC)
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



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

MGL-S-589-OEM	PSU-A-F	PSU-III-OEM-97
<p>100 (L) × 40 (W) × 40 (H) mm<sup>3</sup>, 0.36kg</p>	<p>162(L) × 144(W) × 55(H) mm<sup>3</sup>, 0.5kg</p>	<p>94(L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>