

MGL-III-589/1~50mW

### LD PUMPED ALL-SOLID-STATE YELLOW LASER AT 589nm

All solid state laser at 589nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



#### SPECIFICATIONS

Wavelength (nm)	589±1		
Operating mode	CW		
Output power (mW)	>1, 2, 10, ...,50		
Power stability (rms, over 4 hours)	<3% , <5% , <10%		
Transverse mode	TEM <sub>00</sub>		
M <sup>2</sup> factor	<1.5		
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~1.2		
Beam divergence, full angle (mrad)	<1.5		
Warm-up time (minutes)	<10		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1, Horizontal±5 degree (Vertical Optional)		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-589	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p>153 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>