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DATA SHEET

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

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



Model: MGL-III-589/1~50mW

Wavelength (nm)	589 ± 1nm		
Output power (mW)	>10, 20, 30, 50		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%		
Warm-up time (minutes)	<10		
M ² factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at beam diameter at (1/e ² , mm)	~1.2		
Beam height from base plate (mm)	24.8		
Pointing stability after warm-up (mrad)	<0.05		
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or DC 5V)	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)	10,000		
Warranty period	1 year		

MGL-III-589	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5(L)×73(W)×46.2(H) mm³, 0.6kg</p>	<p>153(L)×155(W)×92(H) mm³, 1.5 kg</p>	<p>133(L)×130(W)×62.2(H) mm³, 1.2kg</p>	<p>94(L)×75(W)×49(H) mm³, 0.2 kg</p>