

Opto Engine LLC

Data sheet

Rev. 1812

MGL-N-589/300~800mW



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

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



SPECIFICATIONS

Wavelength (nm)	589±2	
Operating mode	CW	
Output power (mW)	>300, 400, 500, ..., 800	
Power stability (rms, over 4 hours)	<3%, <5%	
Transverse mode	Near TEM ₀₀	
M ² factor	<3.0	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e ² , mm)	~3.0	
Warm-up time (minutes)	<10	
Polarization ratio	>100:1	
Beam height from base plate (mm)	68.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-N-589	PSU-H-LED	PSU-H-FDA
<p>245 (L) × 99 (W) × 94 (H) mm³, 2.6 kg</p>	<p>307 (L) × 150 (W) × 106 (H) mm³, 2.9 kg</p>	<p>307 (L) × 150 (W) × 106 (H) mm³, 2.9 kg</p>