

# Opto Engine LLC

## Data sheet

Rev. 2102

MGL-N-543/500~1500mW



### LD PUMPED ALL-SOLID-STATE GREEN LASER AT 543nm

All solid state laser at 543nm 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)	543±1	
Operating mode	CW	
Output power (mW)	>500, 600, 700, ..., 1500	
Power stability (rms, over 4 hours)	<3%, <5%	
Transverse mode	Near TEM <sub>00</sub>	
M <sup>2</sup> factor	<3.0	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e <sup>2</sup> ,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-543	PSU-H-LED	PSU-H-FDA
<p>245 (L) x 99 (W) x 94 (H) mm<sup>3</sup>, 2.5 kg</p>	<p>277 (L) x 145 (W) x 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275 (L) x 145 (W) x 104 (H) mm<sup>3</sup>, 2.4 kg</p>