

# Opto Engine LLC

## Data sheet

Rev. 1812

MGL-FN-550/1~200mW



### LD PUMPED ALL-SOLID-STATE GREEN LASER

DPSS green laser at 550nm is made features of ultra compact, long lifetime and easy operating, which is used in measurement, medical treatment, scientific research, optogenetics, etc.



#### SPECIFICATIONS

Wavelength (nm)	550±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ..., 200
Power stability (rms, over 4 hours)	<3%, <5%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.0
Beam divergence, full angle (mrad)	<1.5
Beam height from base plate (mm)	27.4
Polarization ratio	>100:1
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED PSU-H-FDA
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty period	1 year



MGL-FN-550	PSU-H-LED	PSU-H-FDA
<p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.36kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>