

Opto Engine LLC

Data sheet

Rev. 2102

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 ₀₀
M ² factor	<1.5
Beam diameter at the aperture (1/e ² , 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/PSU-SR
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	PSU-SR
<p>197(L)×70(W)×50(H) mm³, 1.5kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.3 kg</p>	<p>188(L) ×145(W) ×83(H) mm³, 2kg</p>