

Opto Engine LLC

Data sheet

Rev. 0912

MGL-H-593.5/50~80mW

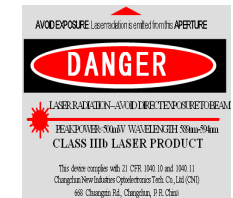
LD PUMPED ALL-SOLID-STATE YELLOW LASER

All solid state 593.5nm yellow laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



SPECIFICATIONS

Wavelength (nm)	593.5 ± 1		
Output power (mW)	>50, 60, 70, ..., 80		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Warm-up time (minutes)	<10		
M ² factor	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	29		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (89-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-H-593.5	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
155(L)×77(W)×60(H) mm ³ , 0.9 kg	240 (L) ×146(W) ×108 (H) mm ³ , 2.6 kg	238 (L) ×146(W) ×102 (H) mm ³ , 2.3 kg	238 (L) ×146(W) ×94 (H) mm ³ , 2.2 kg