

Opto Engine LLC

Data sheet

Rev. 0912

MLL-III-593.5/1~30mW

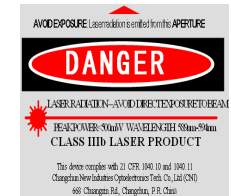
LOW NOISE ORANGE LASER AT 593.5nm




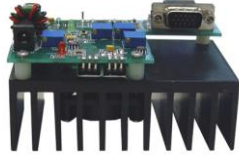
Low noise orange laser at 593.5nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	593.5±1		
Output power (mW)	>1, 2, 3, ... , 30		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%		
Warm-up time (minutes)	<15		
M ² factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~2.0		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1 (0 or 90 degree)		
Noise of amplitude (rms, 1~20MHz)	<2%, 3%		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		



MxL-III-593.5	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 <p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p>	 <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	 <p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p>
