

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		
Operating mode	CW		
Output power (mW)	>1, 5, 10, ... , 30		
Power stability (rms, over 4 hours)	<3%, <5%		
Transverse mode	TEM ₀₀		
Noise of amplitude (rms, 20Hz~20MHz)	<2%, 3%		
M ² factor	<1.2		
Beam diameter at the aperture 1/e ² (mm)	~1.2		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1, Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)	<10		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	24.8		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-593.5	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>153 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L)×75(W)×49(H)mm³, 0.23kg</p>