



Your source for high quality, affordable lasers

## DATA SHEET

Model: **MLL-III-593.5/1~100mW**

### 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.

Wavelength ( nm )	593.5 ± 1nm		
Output Power ( mW )	>1, 5, 10, ..., 100		
Transverse Mode	TEM <sub>00</sub>		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%		
Noise of amplitude (rms, 20Hz~20MHz)	<2%, <3%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e <sup>2</sup> (mm)	~1.2		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1 (o or 90 degree)		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
Expected lifetime (hours)	10,000		
Warranty period	1 year		



MxL-III-593.5	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>140. 8(L) ×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6kg</p>	<p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	<p>154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5 kg</p>	<p>100 (L) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2 kg</p>