

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 <sub>00</sub>
Noise of amplitude (rms, 20Hz~20MHz)	<2%, 3%
M <sup>2</sup> factor	<1.2
Beam diameter at the aperture 1/e <sup>2</sup> (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-FDA/PSU-III-OEM-97
Expected lifetime (hours)	10000
Warranty	1 year



MLL-III-593.5	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>94(L)×75(W)×49(H)mm<sup>3</sup>, 0.23kg</p>