

## DATA SHEET

### LOW NOISE RED DIODE LASER AT 690nm

Low noise red diode 690nm laser is made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



Model: **MLL-III-690/1~800mW**

Wavelength ( nm )	690 ± 5nm		
Output Power ( mW )	>100, 200, 300, ..., 800		
Transverse Mode	Near TE <sub>00</sub>		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
Warm-up time (minutes)	<5		
M <sup>2</sup> factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Dimensions of beam at aperture (mm)	~5 x 8		
Beam height from base plate (mm)	24.8		
Polarization ratio	>50:1		
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-690	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>139(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>