



**MLL-III-690L/1~250mW**



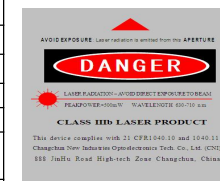
**LOW NOISE RED DIODE  
LASER AT 690nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, laser lighting show, etc.



**SPECIFICATIONS**

Central wavelength (nm)	690±5
Operating mode	CW
Output power (mW)	>1,10,20,..., 250
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%
Transverse mode	Near TEM <sub>00</sub>
Noise of amplitude(rms, 1Hz~20MHz)	<1%
M <sup>2</sup> factor	<1.5 (<1.2, optional)
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~3.0 (~1.2, optional)
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	24.8
Operating temperature (°C)	10~35
Power supply	85-264VAC
	100-240VAC
	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz) PSU-A-D (Frequency for 30kHz -100kHz)
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional
Expected lifetime (hours)	10000
Warranty	1 year



MLL-III-690L	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p style="text-align: center;">143.5(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.7kg</p>	<p style="text-align: center;">188.6 (L)×155(W)×92 (H) mm<sup>3</sup>, 1.5kg</p>	<p style="text-align: center;">171(L)×130(W)×62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p style="text-align: center;">162(L)×144(W)×70 (H) mm<sup>3</sup>, 1.0kg</p>