

Opto Engine LLC

Data sheet

Rev. 0912

MRL-III -690 /1~800mW

SPECIFICATIONS




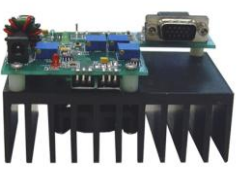
RED DIODE LASER At 690nm

Diode red laser 690nm 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.



Wavelength (nm)	690±5		
Output power (mW)	>1, 10, 30, ... , 800		
Transverse mode	Near TE ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M ² factor	<20		
Beam divergence, full angle (mrad)	<3. 0		
Dimensions of beam at the aperture (mm)	~5×8		
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-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III -690	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
			
140. 8(L)×73(W) ×46. 2(H) mm ³ , 0.6kg	154 (L) ×155(W) ×95 (H) mm ³ , 1.5kg	133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg	100 (L) ×60(W) ×56 (H) mm ³ , 0.2kg
