

Opto Engine LLC

Data sheet

Rev. 1812

MRL-III-690/1~1300mW



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, 100, 200, ... , 1300	
Power stability (rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)	
Transverse mode	Multimode	
Beam diameter at the aperture (mm)	~5×8	
Beam divergence, full angle (mrad)	<3.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MRL-III-690	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>146 (L) × 73 (W) × 46.2 (H) mm³, 0.7kg</p>	<p>188.6 (L) × 155 (W) × 92 (H) mm³, 1.5kg</p>	<p>171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p>	<p>162 (L) × 144 (W) × 70 (H) mm³, 1.0kg</p>