

# Opto Engine LLC

## Data sheet

Rev. 0912

MRL-III -655R /1~200mW

### RED DIODE LASER At 655nm

Diode red laser 655nm 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.



#### SPECIFICATIONS

Wavelength (nm)	655±10		
Output power (mW)	>1, 10, 30, ... , 200		
Energy distribution	Even		
Beam Spot	Round		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	<8. 0		
Dimensions of beam at the aperture (mm)	~2. 0		
Beam height from base plate (mm)	24. 8		
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
TTL/ Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III -655	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>140. 8(L)×73(W) ×46. 2(H) mm<sup>3</sup>, 0.6kg</p>	<p>154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	<p>100 (L) ×60(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>