

# Opto Engine LLC

## Data sheet

Rev. 0912

MLL-III -685/1~20mW

### LOW NOISE RED DIODE LASER At 685 nm




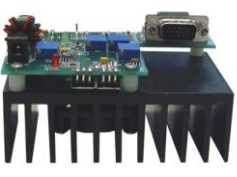
Diode low noise red laser 685 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



#### SPECIFICATIONS

Wavelength (nm)	685±5		
Output power (mW)	> 5, 10, 15, 20		
Transverse mode	Near TEM <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)	<0.5		
Dimensions of beam at the aperture (mm)	~4. 0		
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-685	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
			
140. 8(L)×73(W) ×46. 2(H) mm <sup>3</sup> , 0.6kg	154 (L) ×155(W) ×95 (H) mm <sup>3</sup> , 1.5kg	133 (L) ×130(W) ×65 (H) mm <sup>3</sup> , 1.2kg	100 (L) ×60(W) ×56 (H) mm <sup>3</sup> , 0.2kg
