

Opto Engine LLC

Data sheet

Rev. 2102

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 ₀₀
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 ² 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-97
Expected lifetime (hours)	10000
Warranty	1 year



MLL-III-685	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140. 8(L) × 73(W) × 46. 2(H) mm³, 0.6 kg</p>	<p>188 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm³, 1.2 kg</p>	<p>94 (L) × 75(W) × 49 (H) mm³, 0.23 kg</p>