

MRL-III -685/1~20mW



### RED DIODE LASER At 685nm

Diode red laser 685nm 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%
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-97
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off
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) mm<sup>3</sup>, 0.6 kg</p>	<p>188 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2 kg</p>	<p>94 (L) × 75(W) × 49 (H) mm<sup>3</sup>, 0.23 kg</p>