

DATA SHEET

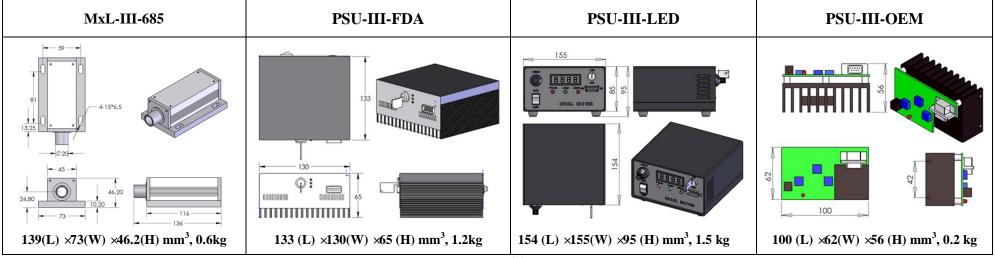
LOW NOISE RED DIODE LASER AT 685nm

Low noise red diode 685nm laser 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.



Model: MLL-III-685/1~20mW

Wavelength (nm)	685 ±5nm
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 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-FDA PSU-III-LED PSU-III-OEM
Expected lifetime (hours)	10,000
Warranty period	1 year



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