

DATA SHEET

RED DIODE LASER AT 655nm

Diode red laser at 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.

Model: MRL -III-FS-655/1000~1500mW

Wavelength (nm)	655 ± 10nm		
Output Power (mW)	>1000, 1200, ..., 1500		
Transverse Mode	Near TE ₀₀		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<10		
M ² factor	<20		
Beam divergence, full angle (mrad)	<2.5		
Dimensions of beam at aperture (mm)	~4 x 9		
Beam height from base plate (mm)	28.5		
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
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, and TTL on/off		
Expected lifetime (hours)	10,000		
Warranty period	1 year		



MxL-III-FS-655	PSU-III-FDA	PSU-III-LED	PSU-III-OEM
<p>136(L) × 73(W) × 46.2(H) mm³, 0.6kg</p>	<p>133 (L) × 130(W) × 65 (H) mm³, 1.2kg</p>	<p>154 (L) × 155(W) × 95 (H) mm³, 1.5 kg</p>	<p>100 (L) × 62(W) × 56 (H) mm³, 0.2 kg</p>