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DATA SHEET

RED DIODE LASER AT 680NM

Diode red laser 680nm 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-680/1~1000mW

Wavelength (nm)	680 ± 5nm		
Output Power (mW)	>10, 20, 50,... 1000		
Transverse Mode	Near TEM ₀₀		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M ² factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Dimensions of beam at the aperture (mm)	~5x8		
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)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Modulation option	TTL on/off, 1Hz-5KHz, 1Hz-10KHz, 10Hz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10,000		
Warranty period	1 year		



MRL-III-680	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>136(L) × 73(W) × 46.2(H) mm³, 0.6kg</p>	<p>154 (L) × 155(W) × 95 (H) mm³, 1.5 kg</p>	<p>133 (L) × 130(W) × 65 (H) mm³, 1.2kg</p>	<p>100 (L) × 62 (W) × 56 (H) mm³, 0.2 kg</p>

<http://www.ultralasers.com>