

Opto Engine LLC

Data sheet

Rev. 1505

MRL-III-750/1~2000mW

RED DIODE LASER AT 750nm

Red diode laser at 750nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	750±3	
Output power (mW)	>1, 100, 200, 300, ..., 2000	
Transverse mode	Near TE 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)	~5×8	
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
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-750	PSU-III-LED	PSU-III-FDA
 <p>136(L)×73(W)×46.2(H) mm³, 0.6kg</p>	 <p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>
		