

MRL-III-633/1~80mW

RED DIODE LASER At 633nm

Red diode laser at 633nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis as the substitute for He-Ne lasers.



SPECIFICATIONS

Wavelength (nm)	633±3	
Operating mode	CW	
Output power (mW)	>1,10,20,..., 80	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM ₀₀	
M ² factor	<1.5	
Beam diameter at the aperture (1/e ² ,mm)	~3.0	
Beam divergence, full angle (mrad)	<1.0	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-LED	PSU-III-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-633	PSU-III-LED	PSU-III-FDA
<p>143.5(L)×73(W) ×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>