

MRL-III-627/1~50mW

SPECIFICATIONS

RED DIODE LASER AT 627nm

Red diode laser at 627 nm is made features of ultra compact, long lifetime, and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, etc.



Wavelength (nm)	627 ± 3
Output power (mW)	>1, 10,,100
Transverse mode	Near TE ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<10
Beam divergence, half angle (mrad)	<1.5*0.5
M ² factor	<20
Beam diameter at the aperture (mm)	~4*5
Beam height from base plate (mm)	24.8
Pointing stability after warm-up (mrad)	<0.05
Polarization direction	>50:1
Operating temperature (°C)	10~35
Power supply (100-240VAC or 8VDC)	PSU-III-LED/ PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off
Expected lifetime (hours)	10000



MXL-III-627	PSU-III-LED	PSU-III-FDA
<p>136(L)×73(W)×46.2(H) mm³, 0.6kg</p>	<p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>