

**MRL-III-622/1~50mW**

### SPECIFICATIONS

### RED DIODE LASER AT 622nm

Red diode laser at 622 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)	622 ± 3
Output power (mW)	>1, 10, .....50
Transverse mode	Near TE <sub>00</sub>
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 <sup>2</sup> 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-622	PSU-III-LED	PSU-III-FDA
 <p data-bbox="383 1074 651 1098"><b>136(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.6kg</b></p>	 <p data-bbox="1048 1074 1323 1098"><b>154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5kg</b></p>	 <p data-bbox="1682 1074 1957 1098"><b>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</b></p>
		