



长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

MRL-W-655/3000~5000mW


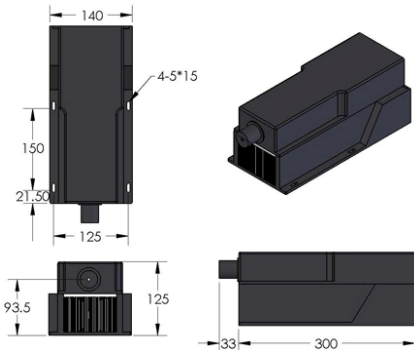

RED DIODE LASER At 655nm

Diode red laser 655nm 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.

SPECIFICATIONS

Wavelength (nm)	655±5
Output power (mW)	>3000, 3100, 3200, ... , 5000
Transverse mode	Near TE ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%, <10%
Warm-up time (minutes)	<5
M ² factor	<20
Beam divergence, full angle (mrad)	<4.0
Dimensions of beam at the aperture (mm)	~5.0 × 8.0
Beam height from base plate (mm)	93.5
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off
Expected lifetime (hours)	10000
Warranty	1 year
Remarks	MRL-655 is a diode laser module, so the beam quality is not as good as the solid-state laser at 671nm. The beam spot is nearly square.



MxL-W-655	Dimension	PSU-W-FDA	Dimension
 333(L)×140(W) ×125(H) mm ³ , 6.1 kg		 307 (L) ×168(W) ×123(H) mm ³ , 5.1 kg	