

Opto Engine LLC

Data sheet

Rev. 0912

MRL-W-635/3000~5000mW

RED DIODE LASER At 635nm




Diode red laser 635nm 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)	635±5	
Output power (mW)	>3000, 3100, 3200, ... , 5000	
Transverse mode	Near TE ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<5%, <10%	
Warm-up time (minutes)	<5	
M ² factor	<20	
Beam divergence, full angle (mrad)	<5.0	
Dimensions of beam at the aperture (mm)	~7.0 × 7.0	
Beam height from base plate (mm)	93.5	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	PSU-W-FDA
TTL / Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)	
Expected lifetime (hours)	10000	
Warranty	1 year	
Remarks	MRL-635 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-635	PSU-W-LED	PSU-W-FDA
 <p>333(L)×140(W)×125(H) mm³, 6.1 kg</p>	 <p>300 (L) ×162(W) ×134(H) mm³, 5.2 kg</p>	 <p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>
