

Opto Engine LLC

Data sheet

Rev. 2102

MRL-W-635/3~6W



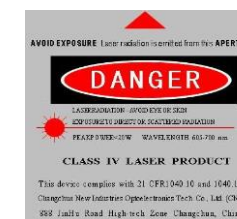
RED DIODE LASER At 635nm

Diode red laser 635nm is made features of ultra compact, long lifetime and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	635±5	
Operating mode	CW	
Output power (W)	~3	>3.1, 3.2, ..., 6
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	
Transverse mode	Near TE ₀₀	
M ² factor	<20	
Beam divergence, full angle (mrad)	<4.0	<5.0
Dimensions of beam at the aperture (1/e ² , mm)	~5.0 × 6.0	~7.0 × 7.0
Warm-up time (minutes)	<5	
Polarization	Non-polarized	>50:1
Beam height from base plate (mm)	93.5	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED or PSU-W-FDA	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
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.	



MRL-W-635	PSU-W-LED	PSU-W-FDA
<p>344.5 (L) × 140 (W) × 124.3 (H) mm³, 5.7 kg</p>	<p>336 (L) × 168 (W) × 133 (H) mm³, 4.6 kg</p>	<p>307 (L) × 168 (W) × 123 (H) mm³, 4.5 kg</p>