

Opto Engine LLC

Data sheet

Rev. 0912

MRL-III-656.5/1~50mW

LD PUMPED ALL-SOLID-STATE RED LASER AT 656.5 nm

All solid state 656.5 nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and medical, etc.



SPECIFICATIONS

Wavelength (nm)	656.5±1		
Output power (mW)	>1, 5, 10, 20, ..., 50		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Warm-up time (minutes)	<10		
M ² factor	<1. 2		
Beam divergence, full angle (mrad)	<1. 5		
Beam diameter at the aperture (mm)	~2. 0		
Beam height from base plate (mm)	24. 8		
Polarization ratio	>50:1 (0 or 90 degree)		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-656.5	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>140. 8(L)×73(W) ×46. 2(H) mm³, 0.6 kg</p>	<p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2 kg</p>	<p>100 (L) ×60(W) ×56 (H) mm³, 0.2 kg</p>