

Opto Engine LLC

Data sheet

Rev. 0912

MRL-III-671/1~300mW

LD PUMPED ALL-SOLID-STATE RED LASER AT 671nm

All solid state 671nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	671±1		
Output power (mW)	>1, 5, 10, 20, ..., 300		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <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	>100:1 (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
TTL / Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-671	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>