

Opto Engine LLC

Data sheet

Rev. 1812

MRL-F-671/1~1.5W



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

All solid state 671nm Red laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	671±1		
Operating mode	CW		
Output power (W)	>1, 1.1, 1.2, ..., 1.5		
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%		
Transverse mode	TEM ₀₀		
M ² factor	<1.2		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (1/e ² ,mm)	~3.0		
Warm-up time (minutes)	<10		
Polarization ratio	>100:1		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	45		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-F-671	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>214 (L) × 88 (W) × 74 (H) mm³, 1.6 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm³, 2.6 kg</p>	<p>275 (L) × 146 (W) × 104 (H) mm³, 2.4 kg</p>	<p>238 (L) × 146 (W) × 94 (H) mm³, 2.2 kg</p>