

Opto Engine LLC

Data sheet

Rev. 0912

MRL-W-671/3000~5000mW

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, laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	671 ± 1	
Output power (mW)	>3000, 3100, 3200, ..., 5000	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%, <10%	
Warm-up time (minutes)	<10	
M ² factor	3.0~6.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	~4.0	
Beam height from base plate (mm)	93.5	
Polarization ratio	>100:1	
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 period	1 year	



MxL-W-671	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>