

Opto Engine LLC

Data sheet

Rev. 0912

MLL-F-671/1300~2000mW

LD PUMPED ALL-SOLID-STATE LOW NOISE RED LASER




All solid state 671nm low noise laser is made features of ultra compact, long lifetime, low cost and easy to operate, which is used in DNA sequencing, flow cytometry, cell sorting, instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiments etc.



SPECIFICATIONS

Wavelength (nm)	671 ± 1	
Output power (mW)	>1300, 1350, 1400, ..., 2000	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<15	
M ² factor	<2. 0	
Beam divergence, full angle (mrad)	<2. 0	
Beam diameter at the aperture (mm)	~3. 0	
Beam height from base plate (mm)	45	
Polarization ratio	>100:1	
Noise of amplitude (rms, 1~20MHz)	<1%	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-F-671	PSU-H-FDA	PSU-H-OEM
 <p>211.5(L) × 88(W) × 74(H) mm³, 1.6 kg</p>	 <p>238 (L) × 146(W) × 102 (H) mm³, 2.3 kg</p>	 <p>238 (L) × 146(W) × 94 (H) mm³, 2.2 kg</p>
