

# Opto Engine LLC

## Data sheet

Rev. 0912

MLL-III-671/1~300mW

### 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 operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.



#### SPECIFICATIONS

Wavelength (nm)	671±1	
Output power (mW)	>1, 5, 10, 20, ..., 300	
Transverse mode	TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<15	
M <sup>2</sup> 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	
Noise of amplitude (rms, 1~20MHz)	<1%	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-671	PSU-III-FDA	PSU-III-OEM
<p>140.8(L) × 73(W) × 46.2(H) mm<sup>3</sup>, 0.6 kg</p>	<p>133 (L) × 130(W) × 65 (H) mm<sup>3</sup>, 1.2 kg</p>	<p>100 (L) × 60(W) × 56 (H) mm<sup>3</sup>, 0.2 kg</p>