

Opto Engine LLC

Data sheet

Rev. 0912

MLL-W-671/3000~5000mW

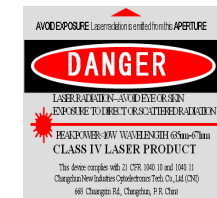
LD PUMPED ALL-SOLID-STATE LOW NOISE RED LASER

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)	>3000, 3100, 3200, ..., 5000
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	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
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-W-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MxL-W-671	Dimensions	PSU-W-FDA	Dimensions
<p>333(L)×140(W)×125(H) mm³, 6.1 kg</p>		<p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>	