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DATA SHEET

ALL-SOLID-STATE RED SINGLE LONGITUDINAL LASER AT 671NM

All solid state single longitudinal mode red laser at 671nm 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, physics experiment, etc.



Model: MSL-FN-671/1~500mW

Wavelength (nm)	671 ± 1nm
Output Power (mW)	>1, 5, 10, 30, ... 500
Transverse Mode	TEM ₀₀
Longitudinal Mode	Single
Operating Mode	CW
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Spectral Linewidth (nm)	<0.00001
Coherence length (m)	>50
Noise of amplitude (rms, 1Hz~20MHz)	<1%, (typical <0.5%)
M ² factor	<1.2
Beam divergence, full angle (mrad)	<1.2
Beam diameter at aperture (1/e ² , mm)	<2.0, typical <1.5
Beam height from base plate (mm)	27.4
Warm-up time (minutes)	<10
Polarization ratio	>100:1 Vertical±5 degree (Horizontal Optional)
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10,000
Warranty period	1 year

Note: The laser head needs to be used on a heat sink with good heat dissipation.

MxL-FN-671	Dimensions	PSU-H-FDA	Dimensions
	<p>197(L) × 70(W) × 50(H) mm³, 2.0kg</p>		<p>236(L) × 145(W) × 104(H) mm³, 2.3kg</p>