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## DATA SHEET

### ALL-SOLID-STATE RED SINGLE LANGITUDINAL LASER AT 660NM

All solid state single longitudinal mode red laser at 660nm 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-660/1~20mW

Wavelength (nm)	660 ± 1nm
Output power (mW)	>1, 5, 10, 20
Transverse mode	TEM <sub>00</sub>
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Spectral Linewidth (nm)	<0.00001
Coherence length (m)	>50
Noise of amplitude (rms, 1Hz~20MHz)	<1%, (typical <0.5%)
M <sup>2</sup> factor	<1.2
Beam divergence, full angle (mrad)	<1.2
Beam diameter at aperture (1/e <sup>2</sup> , mm)	<2.0
Beam height from base plate (mm)	27.4
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	15~35
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-660	Laser Head Dimensions	PSU-H-FDA	Power Supply Dimensions
	<p><b>197(L) × 70(W) × 50(H) mm<sup>3</sup>, 2.0kg</b></p>		<p><b>236(L) × 145(W) × 104(H) mm<sup>3</sup>, 2.3kg</b></p>