

MSL-FN-671/1~500mW



**SINGLE LONGITUDINAL MODE
LASER AT 671nm**

All solid state single longitudinal mode 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, brillouin scattering, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	671±1
Operating mode	CW
Output power (mW)	1 - 500
Power stability (rms, over 4 hours)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Coherent length (m)	>50
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	<2.0 (<1.5, optional)
Beam divergence, full angle (mrad)	<1.2
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Laser head consumption (W)	15 (typical), <25 (40°C)
Operating temperature (°C)	10~40
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000



MSL-FN-671	PSU-H-FDA
<p>197(L)×70(W)×50(H) mm³, 1.5kg</p>	<p>275(L)×145(W)×104(H) mm³, 2.3 kg</p>