

MSL-FN-607/1~200mW



**SINGLE LONGITUDINAL MODE
LASER AT 607nm**

All solid state single longitudinal mode laser at 589nm 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)	607±1
Operating mode	CW
Output power (mW)	1 - 100
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)	<1.5
Beam divergence, full angle (mrad)	<1.2
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Frequency shift over 8 hours (MHz) (Optional)	<±200
Frequency shift with Temp (MHz/°C) (Optional)	<200
Laser head consumption (W)	15 (typical), <25 (40°C)
Beam height from base plate (mm)	27.4
Laser head consumption (W)	15 (typical), <25 (40°C)
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000
Warranty	1 year



MSL-FN-607	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>