

MSL-FN-589/1~200mW



**SINGLE LONGITUDINAL MODE
LASER AT 589nm**

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)	589±1	
Operating mode	CW	
Output power (mW)	1 - 100	100 - 200
Power stability (rms, over 4 hours)	<3%, <2%	<5%, <3%, <2%
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)	<2.5	
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-589	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>