



MLL-FN-639/1~1000mW



**LD PUMPED ALL-SOLID-STATE  
LOW NOISE RED LASER  
AT 639nm**

Low noise all solid state 639nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and scientific research etc.



SPECIFICATIONS

Central wavelength (nm)	639±1	
Operating mode	CW	
Output power (mW)	>1,10, 20, ..., 400	>400, 500, ..., 1000
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%
Transverse mode	TEM <sub>00</sub>	
Spectral linewidth (nm)	<0.2 (<0.003 optional)	<0.2
M <sup>2</sup> factor	<1.2(<1.1 optional)	<1.2
Noise of amplitude (rms, 20Hz~20MHz)	<1% (<0.5% optional)	<1%
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.0	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA	
Expected lifetime (hours)	10000	
Warranty	1 year	



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

MLL-FN-639	PSU-H-FDA
<p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5 kg</p>	<p>275(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p>