



MLL-FN-671/1~1000mW



**LD PUMPED ALL-SOLID-STATE  
LOW NOISE RED LASER  
AT 671nm**

Low noise red laser at 671nm 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

Wavelength (nm)	671±1	
Operating mode	CW	
Output power (mW)	>1, 10, 100, ... , 1000	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.2	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.0	
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-LED	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.

MXL-FN-671	PSU-H-LED	PSU-H-FDA
<p>197(L)×70(W)×50(H) mm<sup>3</sup>, 2.0 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>