

MLL-FN-473/1-500mW

LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 473nm low noise laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, physics experiments, etc.



SPECIFICATIONS

Wavelength (nm)	473±1	
Output power (mW)	>1, 50, 100, ..., 300	>300, 350, 400, ... ,500
Transverse mode	TEM ₀₀	Near TEM ₀₀
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Operating mode	CW	
Power stability (rms, over 4 hours) at 25°C	<1%, <3%, <5%	
Warm-up time (minutes)	<10	
M ² factor	<1.2	<1.5
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~2.0	~3.0
Beam height from base plate (mm)	27.4	
Polarization ratio	>100:1 (0 or 90 degree)	
Pointing stability after warm-up (mrad)	<0.05	
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.

MLL-FN-473	PSU-H-LED	PSU-H-FDA
 <p>197(L)×70(W)×50(H), 2.0 kg</p>	 <p>268(L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>
		