

MLL-FN-473/1-400mW

LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER AT 473nm

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	
Operating mode	CW	
Output power (mW)	>1, 50, 100, ..., 300	>300, 350, 400
Power stability (rms, over 4 hours) at 25°C	<1%, <3%, <5%	
Transverse mode	TEM ₀₀	Near TEM ₀₀
Spectral linewidth (nm)	<0.2 (<0.003 Optional)	<0.2
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
M ² factor	<1.2	<1.5
Beam diameter at the aperture (1/e ² , mm)	~2.0	~3.0
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Vertical ±5 degree (Horizontal 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-473	PSU-H-LED	PSU-H-FDA
<p>197(L)×70(W)×50(H) mm³, 2.0 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>236(L) ×145(W) ×104(H) mm³, 2.3 kg</p>