

MBL-FN-473/1-500mW

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

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



SPECIFICATIONS

Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>1, 50, 100, ..., 150	>150, 350, 400, ..., 500
Power stability (rms, over 4 hours) at 25°C	<1%, <3%, <5%	
Transverse mode	TEM ₀₀	Near TEM ₀₀
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	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
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>