

MBL-FN-473/1-500mW

SPECIFICATIONS

LD PUMPED ALL-SOLID-STATE BLUE LASER




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.



Wavelength (nm)	473±1	
Output power (mW)	>1, 50, 100, ..., 300	>300, 350, 400, ... ,500
Transverse mode	TEM ₀₀	Near TEM ₀₀
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
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.

MBL-FN-473	PSU-H-LED	PSU-H-FDA
 <p>197(L)x70(W) x50(H), 2.0 kg</p>	 <p>268 (L) x145(W) x106 (H) mm³, 2.6 kg</p>	 <p>238 (L) x146(W) x102 (H) mm³, 2.3 kg</p>
