

MBL-F-473/200~500mW

LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 473 nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in experiment, fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Wavelength (nm)	473 ± 1		
Operating mode	CW		
Output power (mW)	>200	>300,400,.....,500	
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Transverse mode	TEM ₀₀	Near TEM ₀₀	
Noise of amplitude (rms, 1~20MHz)	~30%		
M ² factor	<2.0		
Beam diameter at the aperture (1/e ² , mm)	~3.0		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1		
Warm-up time (minutes)	<10		
Pointing stability after warm-up (mrad)	<0.05		
Beam height from base plate (mm)	45		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-F-473	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>211 (L) × 88 (W) × 74 (H) mm³, 1.6 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>	<p>238 (L) × 146 (W) × 94 (H) mm³, 2.2 kg</p>