

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		
Output power (mW)	>200, ...,300	>300,400,....500	
Transverse mode	TEM <sub>00</sub>	Near TEM <sub>00</sub>	
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<2.0		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	45		
Polarization ratio	>100:1		
Noise of amplitude (rms, 1~20MHz)	~30%		
Pointing stability after warm-up (mrad)	<0.05		
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>209(L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p>	 <p>268(L)×145(W)×106(H) mm<sup>3</sup>, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm<sup>3</sup>, 2.3 kg</p>	 <p>238 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p>
