

MBL-F-457/1~1000mW

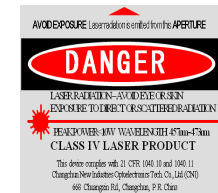
### LD PUMPED ALL-SOLID-STATE BLUE LASER





All solid state 457nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



#### SPECIFICATIONS

Wavelength (nm)	457 ± 1		
Output power (mW)	>1, 10, 20, 30, ..., 400	>400, 450, 500, ..., 1000	
Transverse mode	Near TEM <sub>00</sub>	Near TEM <sub>01</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		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (89-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MXL-F-457	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
 <p>211.5(L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p>	 <p>240 (L) ×146(W) ×108 (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>
