

MLL-F-457/1~1000mW

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




All solid state 457nm low noise laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, laser printing, interference, holography, laser printing, chip inspection, physics experiment, etc.



#### SPECIFICATIONS

Wavelength (nm)	457±1	
Output power (mW)	>1, 10, 20, 30, ... , 500	>500, 550, 600, ... , 1000
Transverse mode	Near TEM <sub>00</sub>	Near TEM <sub>01</sub> , (Near TEM <sub>00</sub> on request)
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, 20Hz~20MHz)	<3%	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-F-457	PSU-H-FDA	PSU-H-OEM
 <p>209(L)×88(W)×74(H) mm<sup>3</sup>, 1.6 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>
