**Opto Engine LLC** 

## 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.

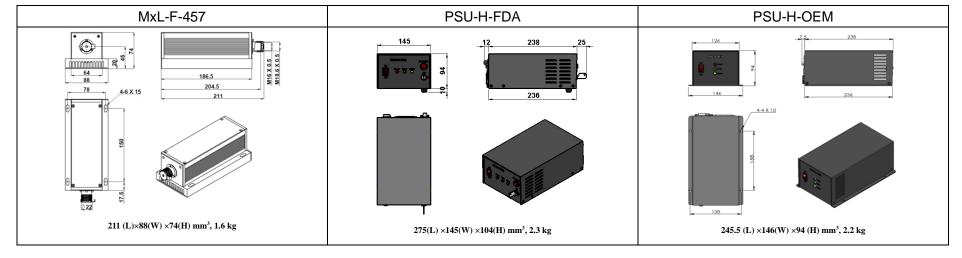


## SPECIFICATIONS

Wavelength (nm)	457±1	
Operating mode	CW	
Output power (mW)	>1, 10, 20, 30, , 400	>400, 550, 600, , 1000
Transverse mode	Near TEM <sub>00</sub>	Near TEM <sub>01</sub> , (Near TEM <sub>00</sub> on request.)
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Noise of amplitude (rms, 20Hz~20MHz)	<3%	
M <sup>2</sup> factor	<2.0	
Beam diameter at the aperture( 1/e <sup>2</sup> ,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-FDA/PSU-H-OEM	
Expected lifetime (hours)	10000	
Warranty period	1 year	







Opto Engine LLC 7397 Balboa Dr. Midvale, Utah 84047 USA Tel: (801) 553-2253 Email: info@OptoEngine.com Website: www.OptoEngine.com

## **Data sheet**

Rev. 2102