Opto Engine LLC

MBL-F-457/1~1000mW

SPECIFICATIONS

LD PUMPED ALL-SOLID-STATE BLUE LASER

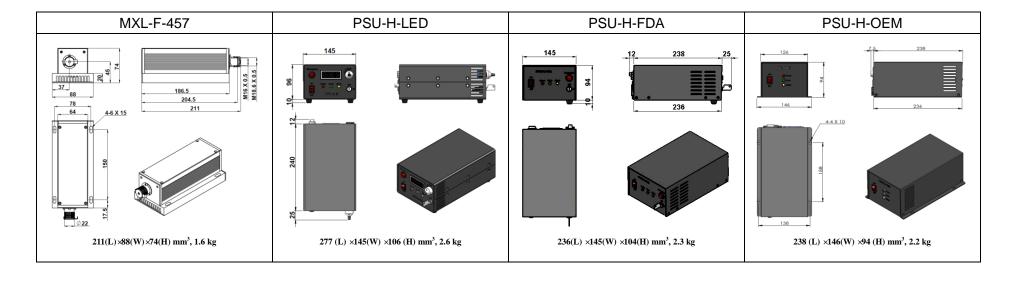
All solid state 457nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



Wavelength (nm)	457±1	
Operating mode	CW	
Output power (mW)	>1, 10, 20, 30,, 400	>400, 550, 600, , 1000
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Transverse mode	Near TEM ₀₀	Near TEM $_{01}$, (Near TEM $_{00}$ on request)
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	







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

Data sheet

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