

MBL-W-457/3000~10000mW

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)	>3000, 3500, 4000, ..., 10000	
Transverse mode	Near TEM ₀₁	
Operating mode	CW	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Warm-up time (minutes)	<10	
M ² factor	3.0~6.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	~4.0	
Beam height from base plate (mm)	93.5	
Polarization ratio	>100:1	
Noise of amplitude (rms, 1~20MHz)	~30%	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	PSU-W-FDA
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-W-457	PSU-W-LED	PSU-W-FDA
 333(L)×140(W)×125(H) mm ³ , 6.1 kg	 300 (L) ×162(W) ×134(H) mm ³ , 5.2 kg	 307 (L) ×168(W) ×123(H) mm ³ , 5.1 kg
		