

MBL-W-457/3~10W



LD PUMPED ALL-SOLID-STATE BLUE LASER

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



SPECIFICATIONS

Model	MBL-W-457A (Good beam)	MBL-W-457B (Normal Product)
Wavelength (nm)	457±1	
Operating mode	CW	
Output power (W)	~3	>3, 3.5, 4, ..., 10
Power stability (rms, over 4 hours)	<3%, <5%	
Transverse mode	Near TEM ₀₀	Near TEM ₀₁
Beam divergence, full angle (mrad)	<1.0	<2.0
Beam diameter at the aperture (1/e ² , mm)	~2.0	~4.0
Warm-up time (minutes)	<10	
Polarization ratio	>100:1	
Beam height from base plate (mm)	93.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	PSU-W-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-W-457	PSU-W-LED	PSU-W-FDA
<p>346 (L) × 140 (W) × 125 (H) mm³, 5.7 kg</p>	<p>336 (L) × 168 (W) × 133 (H) mm³, 4.6 kg</p>	<p>307 (L) × 168 (W) × 123 (H) mm³, 4.5 kg</p>