

MBL-III-473/1~100mW



LD PUMPED ALL-SOLID-STATE
BLUE LASER

All solid state 473nm blue laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	473 ± 1		
Operating mode	CW		
Output power (mW)	>1, 5, 10, ..., 100		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Transverse mode	TEM ₀₀		
M ² factor	<1.2		
Beam diameter at the aperture 1/e ² (mm)	~1.2		
Beam divergence, full angle (mrad)	<1.5		
Polarization ratio	>100:1, Vertical ±5 degree (Horizontal Optional)		
Noise of amplitude (rms, 1~20MHz)	~30%		
Warm-up time (minutes)	<10		
Beam height from base plate (mm)	24.8		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty period	1 year		



Model	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>MxL-III-473</p> <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>153 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p>