



MBL-III-473/1~150mW

LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 473nm 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)	473±1			
Output power (mW)	>1, 5, 10, ... , 150			
Transverse mode	TEM ₀₀			
Operating mode	CW			
Power stability (rms, over 4 hours)	<3%, <5%, <10%			
Warm-up time (minutes)	<10			
M ² factor	<1.2			
Beam divergence, full angle (mrad)	<1.5			
Beam diameter at 1/e ² (mm)	~1.2			
Beam height from base plate (mm)	24.8			
Polarization ratio	>100:1 (0 or 90 degree)			
Noise of amplitude (rms, 1~20MHz)	~30%			
Operating temperature (°C)	10~35			
Power supply (90-264VAC or 5V DC)	PSU-III-LCD	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
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-LCD <i>High stability!</i>	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p>	<p>153 (L) ×155(W) ×92 (H) mm³, 1.4kg</p>	<p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	<p>100 (L) ×62(W) ×56 (H) mm³, 0.2kg</p>