

Opto Engine LLC

Data sheet

Rev. 0912

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 the aperture (mm)	~2.0		
Beam height from base plate (mm)	24.8		
Polarization ratio	>100:1 (0 or 90 degree)		
Noise of amplitude (rms, 1~20MHz)	~30%		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5V DC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-III-473	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p>140.8(L)×73(W)×46.2(H) mm³, 0.6kg</p>	<p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	<p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	<p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p>