

# Opto Engine LLC

## Data sheet

Rev. 0912

MBL-III-435/1~2mW

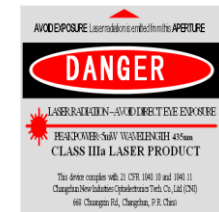
### LD PUMPED ALL-SOLID-STATE BLUE LASER AT 435nm




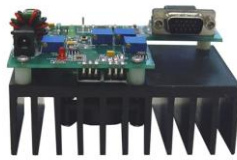
All solid state laser at the wavelength of 435nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



#### SPECIFICATIONS

Wavelength (nm)	435±5		
Output power (mW)	>1, 2		
Transverse mode	Near TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<10%		
Warm-up time (minutes)	<10		
M <sup>2</sup> 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)		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-435	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 <p>140. 8(L)×73(W)×46. 2(H) mm<sup>3</sup>, 0.6kg</p>	 <p>154 (L) ×155(W) ×95 (H) mm<sup>3</sup>, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	 <p>100 (L) ×60(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>
