

MLL-III-488/1~150mW

**SPECIFICATIONS**

**LOW NOISE BLUE LASER  
AT 488 nm**

Low noise blue laser module at 488 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in medical imaging, flow cytometry, DNA sequencing, etc.



Wavelength (nm)	488±5	
Output power (mW)	>1, 2, 3, ..., 150	
Transverse mode	Near TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.3	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, 3%	
Noise of amplitude(rms,1~20MHz)	<0.2%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	~1.0	
Beam diameter at the aperture (mm)	3.0×5.0, elliptical	
Polarization ratio	>100:1	
Beam height from base plate (mm)	24.8	
Pointing stability after warm-up (μrad/°C)	<6	
Operating temperature (°C)	10~45	
Power supply (90-264VAC)	PSU-III-LED	PSU-III-FDA
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-III-488	PSU-III-LED	PSU-III-FDA
 139(L)×73(W)×46.2(H) mm <sup>3</sup> , 0.6kg	 153 (L) ×155(W) ×92 (H) mm <sup>3</sup> , 1.5kg	 133 (L) ×130(W) ×65 (H) mm <sup>3</sup> , 1.2kg
		