



MLL-III-946/1~300mW

**LOW NOISE INFRARED LASER  
AT 946nm**

All solid state low noise infrared laser at 946nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



**SPECIFICATIONS**

Wavelength (nm)	946 ± 1		
Output power (mW)	>1, 5, 10, 20, ... , 300		
Transverse mode	TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e <sup>2</sup> (mm)	~1.5		
Beam height from base plate (mm)	24.8		
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-946	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>153 (L) ×155(W) ×92 (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) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>