

Opto Engine LLC

Data sheet

Rev. 0912

MIL-III-946/1~300mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 946nm




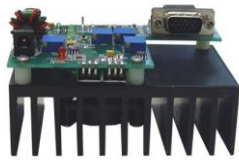
All solid state infrared laser at 946nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	946±1		
Output power (mW)	>1, 5, 10, 20, ... , 300		
Transverse mode	TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Warm-up time (minutes)	<10		
M ² factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~2.0		
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) 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>
