

MIL-H-946/400~800mW

SPECIFICATIONS

**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, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



Wavelength (nm)	946±1		
Output power (mW)	>400, 450, 500, ... ,800		
Transverse mode	Near TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<2.0		
Beam divergence, full angle (mrad)	<2.0		
Beam diameter at the aperture (mm)	~3.0		
Beam height from base plate (mm)	29		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-H-946	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>153(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 kg</p>	<p>268 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>238 (L) ×146(W) ×102 (H) mm<sup>3</sup>, 2.3 kg</p>	<p>238 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p>