

MLL-H-946/400~800mW

SPECIFICATIONS

LOW NOISE INFRARED LASER  
AT 946 nm

All solid state low noise infrared laser at 946 nm 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%		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
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>