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DATA SHEET

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.



Model: MIL-H-946/400~800mW

Wavelength (nm)	946 ± 1		
Output Power (mW)	>400, 500, 600, ..., 800		
Transverse Mode	Near TEM ₀₀		
Operating Mode	CW		
Power stability (rms, over 4 hours)	<5%, <10%		
Warm-up time (minutes)	<10		
M ² 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)	10,000		
Warranty period	1 year		

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