

MLL-H-1047/500~1000mW

**LOW NOISE INFRARED LASER  
AT 1047 nm**

All solid state low noise infrared laser at 1047 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.



**SPECIFICATIONS**

Wavelength (nm)	1047±1		
Output power (mW)	>500, 550, 600, ... ,1000		
Laser crystal	Nd:YLF		
Transverse mode	Near TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <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		
Polarization ratio	>100:1		
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-1047	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
153(L)×77(W)×60(H) mm <sup>3</sup> , 0.9 kg	268 (L) ×145(W) ×106 (H) mm <sup>3</sup> , 2.6 kg	238 (L) ×146(W) ×102 (H) mm <sup>3</sup> , 2.3 kg	238 (L) ×146(W) ×94 (H) mm <sup>3</sup> , 2.2 kg