

### MIL-H-1047/500~1000mW

### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1047 nm





All solid state infrared laser at 1047nm 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%		
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
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-H-1047	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>
