

MIL-H-1053/1000~1500mW



### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1053 nm

All solid state infrared laser at 1053 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)	1053±1
Output power (mW)	>1000, 1100, 1200, ... ,1500
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-1053	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>154.5(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>	<p>245.5 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p>