

MIL-H-1040/1~100mW



LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1040 nm

All solid state infrared laser at 1040 nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	1040±1
Operating mode	CW
Output power (mW)	>1, 2, 3, ..., 100
Power stability (rms, over 4 hours)	<3%, <5%, <10%
Transverse mode	TEM ₀₀
M ² factor	<1.2
Beam diameter at the aperture 1/e ² (mm)	~3.0
Beam divergence, full angle (mrad)	<2.0
Polarization ratio	>3:1(Arbitrarily degree)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	29
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA
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-1040	PSU-H-LED	PSU-H-FDA
<p>154.5(L)×77(W)×60(H) mm³, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.3 kg</p>