

MLL-H-1040/1~100mW



LOW NOISE INFRARED LASER AT 1040 nm

All solid state low noise infrared laser at 1040 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)	1040±1
Output power (mW)	>1, 2, 3, ... ,100
Transverse mode	TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<3%, <5%, <10%
Noise of amplitude (rms, 20Hz~20MHz)	<3%
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<2.0
Beam diameter at the aperture (mm)	~3.0
Beam height from base plate (mm)	29
Polarization ratio	>3:1(Arbitrarily degree)
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED /PSU-H-FDA
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>