

MLL-H-1040/1~100mW

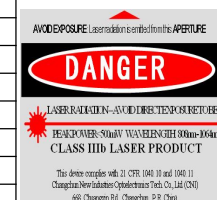
**LOW NOISE INFRARED LASER  
AT 1040 nm**

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	
Laser crystal	Yb:YAG	
Transverse mode	TEM <sub>00</sub>	
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 <sup>2</sup> 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>153(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>