

MIL-H-1040/1~100mW



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

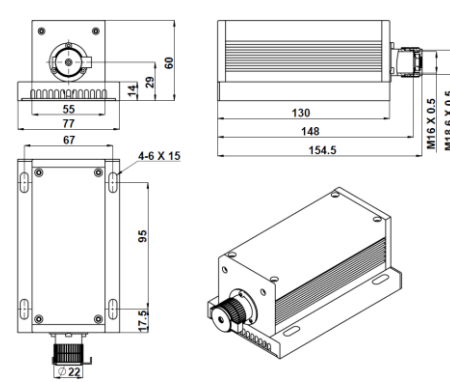

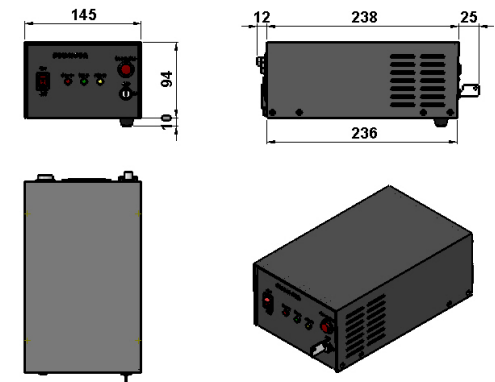
All solid state infrared laser at 1040 nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	1040±1	
Operating mode	CW	
Output power (mW)	>1, 2, 3, ..., 100	
Laser crystal	Yb:YAG	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture 1/e <sup>2</sup> (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) mm<sup>3</sup>, 0.9 kg</p>	 <p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	 <p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>