

MIL-H-1413/1~300mW



**LD PUMPED ALL-SOLID-STATE  
INFRARED LASER AT 1413nm**

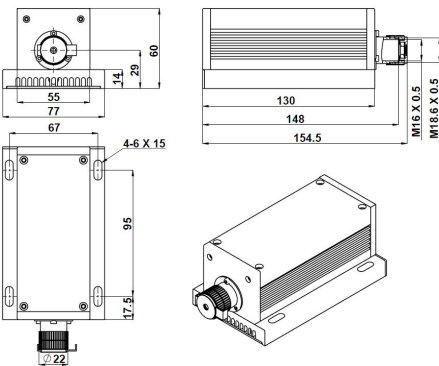
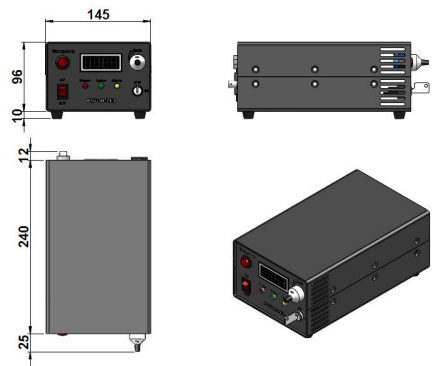
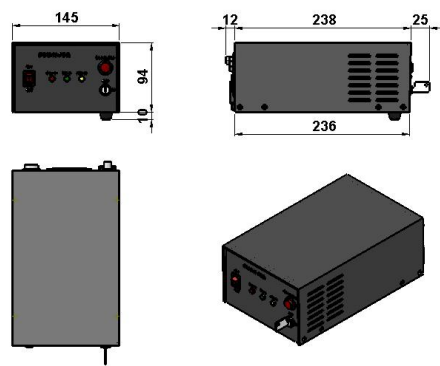
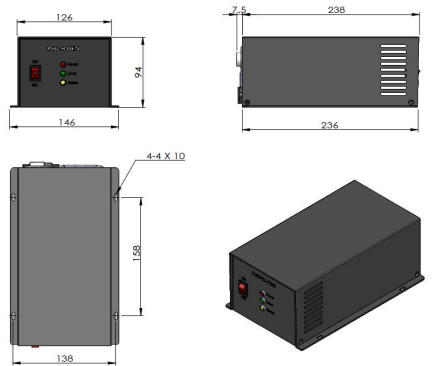
All solid state infrared laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	1413±2
Output power (mW)	>1, 5, 10, 20... , 300
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	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the 1/e <sup>2</sup> (mm)	~1.5
Beam height from base plate (mm)	29
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



MIL-H-1413	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>