

MIL-F-1105/1-500mW



**LD PUMPED ALL-SOLID-STATE  
INFRARED LASER AT 1105 nm**

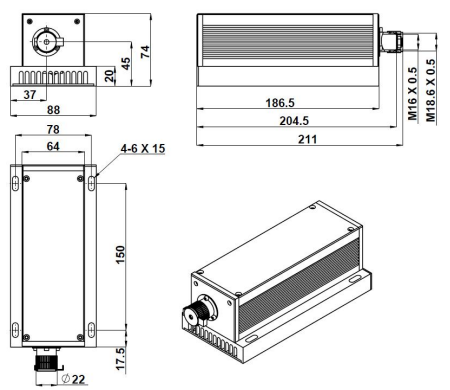
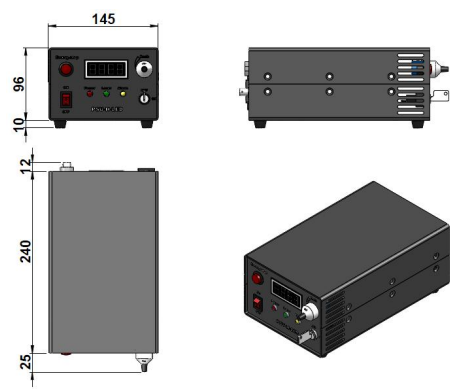
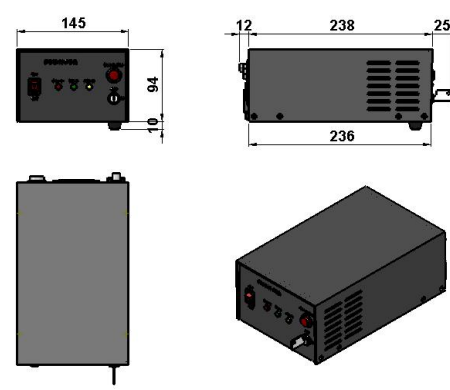
All solid state infrared laser at 1105 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



SPECIFICATIONS

Central wavelength (nm)	1105±1
Operating mode	CW
Output power (mW)	>1, 10, 20, 50, ..., 500
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	Near TEM <sub>00</sub>
M <sup>2</sup> factor	<2.0
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~3.0
Beam divergence, full angle (mrad)	<2.0
Beam height from base plate (mm)	45
Warm-up time (minutes)	<10
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MIL-F-1105	PSU-H-LED	PSU-H-FDA
 <p>211 (L)×88(W)×74(H) mm<sup>3</sup>, 1.6 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>