

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)	>10, 20, 50, ..., 500	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
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	



MXL-F-1105	PSU-H-LED	PSU-H-FDA
<p>211 (L) x 88 (W) x 74 (H) mm<sup>3</sup>, 1.6 kg</p>	<p>277 (L) x 145 (W) x 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>236 (L) x 145 (W) x 104 (H) mm<sup>3</sup>, 2.3 kg</p>