

MIL-F-1073/1~1500mW



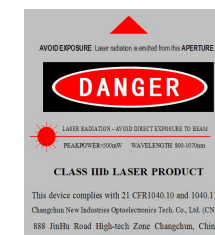
**LD PUMPED ALL-SOLID-STATE  
INFRARED LASER AT 1073 nm**

All solid state infrared laser at 1073nm 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)	1073 ± 1	
Operating mode	CW	
Output power (mW)	>1,100, 200, 300, ... ,800	>800,900.....1500
Power stability (rms, over 4 hours)	<2%, <3%, <5%	<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	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	45	
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	



MIL-F-1073	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>