



MIL-III-1085/1~1000mW



**LD PUMPED ALL-SOLID-STATE  
INFRARED LASER AT 1085nm**

All solid state infrared laser 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

Wavelength (nm)	1085±2	
Output power (mW)	>1, 5, 10, 20, ... , 500	>500, ... , 1000
Transverse mode	TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <2% <3%	<2% <3%, <5%
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.5	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e <sup>2</sup> (mm)	~1.5	
Beam height from base plate (mm)	24.8	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED/PSU-III-FDA/PSU-III-OEM-97	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty	1 year	



MIL-III-1085	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p>188 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>94 (L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>