

MIL-III-1319/1~500mW



### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1319nm

All solid state infrared laser at 1319nm 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)	1319±1	
Output power (mW)	>1, 5, 10, 20, ... , 200	>200, ... , 500
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<2%, <3%, <5%
Transverse mode	Near TEM <sub>00</sub>	
Operating mode	CW	
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-1319	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>