

MIL-III-1444/1~400mW



LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1444nm

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)	1444±2	
Output power (mW)	>1, 5, 10, 20, ... , 200	>200, ... , 400
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<2%, <3%, <5%	<3%, <5%
Warm-up time (minutes)	<10	
M ² factor	<1.5	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e ² (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-1444	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>188 (L) × 155(W) × 92 (H) mm³, 1.5kg</p>	<p>171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p>