

MIL-N-1342/3-4W



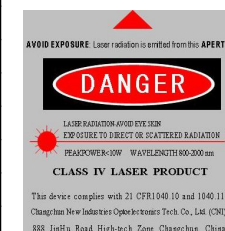
**LD PUMPED ALL-SOLID-STATE
INFRARED LASER AT 1342 nm**

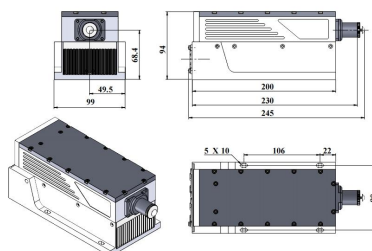
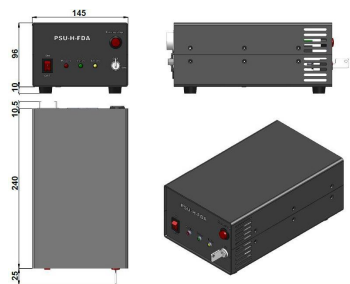
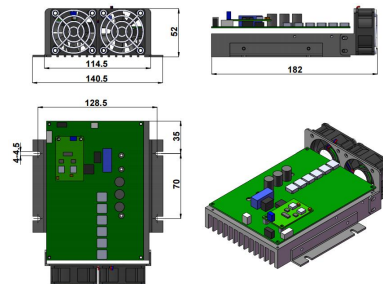
All solid state infrared laser at 1342nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	1342±1
Operating mode	CW
Output power (W) ¹	3-4
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)
Transverse mode	Near TEM ₀₀
M ²	3-6
Beam divergence, full angle (mrad)	<3.0
Beam diameter at the aperture (1/e ² , mm)	~3
Warm-up time (minutes)	<10
Pointing Stability(urad) (over 2 hours after warm-up and ±3°C)	<50
Pointing Stability Over Temperature (urad/°C)	<20
Polarization ratio	>50:1(100:1 optional) , Horizontal(Vertical optional)
Beam height from base plate (mm)	68.4
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-H-OEM
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY (PSU-H-FDA) ²	POWER SUPPLY (PSU-H-LED) ³	DRIVER (PSU-H-OEM)
 245 (L) × 99 (W) × 94 (H) mm³, 2.6 kg	 275.5 (L) × 145 (W) × 106 (H) mm³, 2.5 kg	 275.5 (L) × 145 (W) × 106 (H) mm³, 2.5 kg	 182 (L) × 140.5 (W) × 52 (H) mm³, 0.85 kg

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%.