



MIL-V-1319/1-5W



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

All solid state infrared laser at 1319 nm 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.

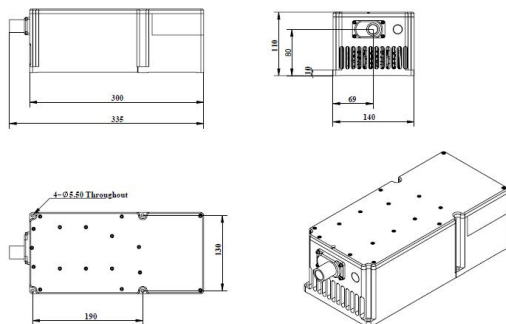


SPECIFICATIONS

Wavelength (nm)	1319±2
Operating mode	CW
Output power (W) ¹	1- 5
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)
Transverse mode	TEM ₀₀
M ²	<1.3
Beam divergence, full angle (mrad)	<3.0
Beam diameter at the aperture (1/e ² , mm)	~2
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)	80
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-W-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000

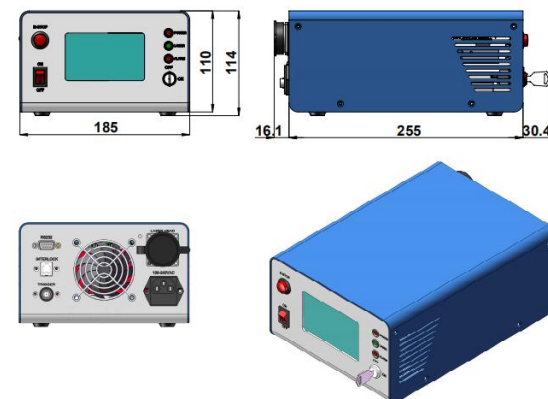


LASER HEAD



335 (L) ×140 (W) ×110 (H) mm³, 6.2 kg

POWER SUPPLY



301.5 (L) ×185 (W) ×114 (H) mm³, 3.0 kg

¹ Any power level can be selected in this range.

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