

MIL-T-1112/1.2-7W



LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1112nm

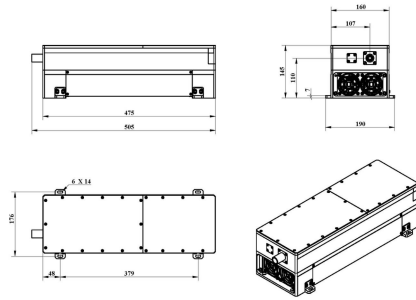
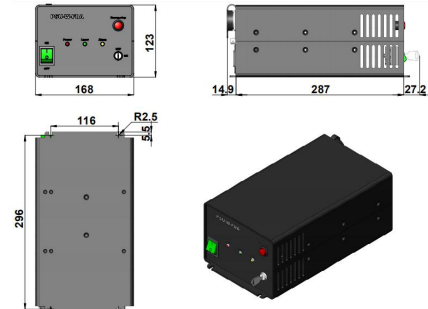
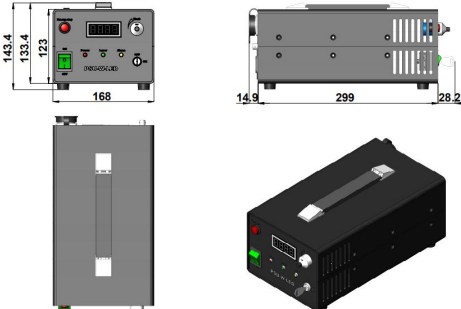
All solid state infrared laser at 1112 nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	1112±1
Operating mode	CW
Output power (W) ¹	1.2-7
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)
Transverse mode	TEM ₀₀
M ²	<1.5
Beam divergence, full angle (mrad)	<1.5
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)	110
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-W-FDA/PSU-W-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY (PSU-W-FDA)	POWER SUPPLY (PSU-W-LED)
 510 (L) ×190 (W) ×145 (H) mm³, 16.0kg	 329.1 (L) ×168 (W) ×123 (H) mm³, 4.1 kg	 342.1 (L) ×168 (W) ×143.4 (H) mm³, 4.2 kg

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%.

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