

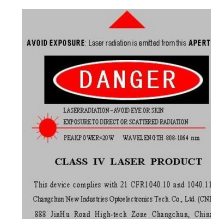
MIL-T-1112/1.2~7W

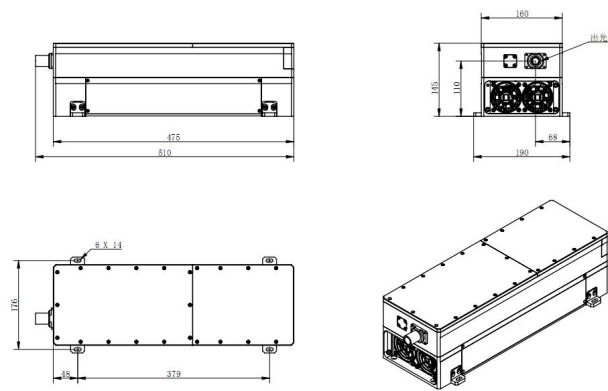
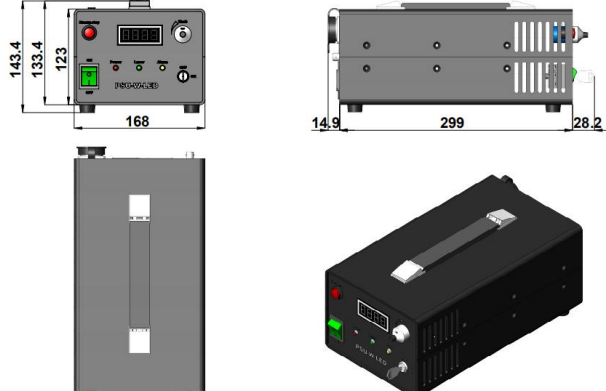
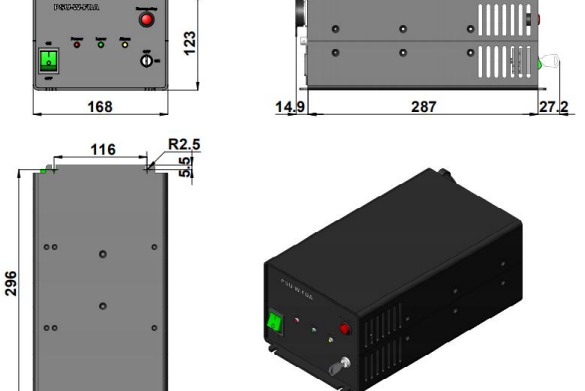
SPECIFICATIONS

**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.

Wavelength (nm)	1112±1
Operating mode	CW
Output power (W)	>1.2, 2, 3, ..., 7
Power stability (rms, over 4 hours)	<3%, <2%, <1%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2
Warm-up time (minutes)	<10
Beam height from base plate (mm)	110
Polarization ratio	>100:1
Cooled method	Air cooled
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-W-LED/PSU-W-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours)	10000
Warranty period	1 year



MIL-T-1112	PSU-W-LED	PSU-W-FDA
 <p>510 (L) × 190 (W) × 145 (H) mm<sup>3</sup>, 16.0kg</p>	 <p>342.1 (L) × 168 (W) × 143.4 (H) mm<sup>3</sup>, 4.2 kg</p>	 <p>329.1 (L) × 168 (W) × 123 (H) mm<sup>3</sup>, 4.1 kg</p>