

OEM-AO-2096/1-15W

### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 2096nm

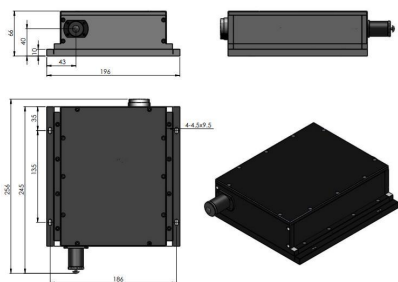
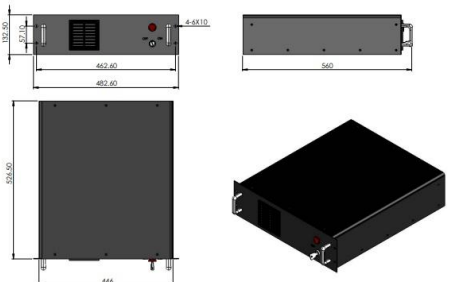
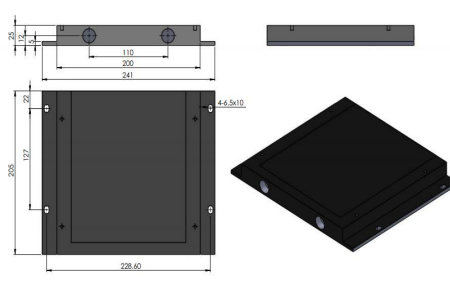
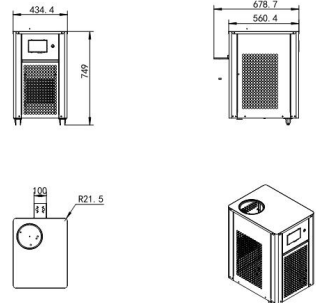
All solid state AOM Q-switched laser at 2096nm infrared laser is made features of high peak power, good beam quality and easy operating, which is widely used in material processing especially for plastics and for pumping of laser sources for the mid infrared region, medical procedures such as precise tissue ablation, ophthalmic surgery or dentistry, suppresses the bleeding during operations, etc.



#### SPECIFICATIONS

Wavelength (nm)	2096±5
Operating mode	Actively
Output power (W) <sup>1</sup>	1-15
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Pulse duration(ns)	~25@10kHz&15W
Rep.rate (kHz)	10
Single pulse energy (μJ)	100-1500
Peak power (kW)	4-60
Beam divergence, full angle (mrad)	<5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<5
Beam height from base plate (mm)	40
Warm-up time (minutes)	<10
Cooled method	Water cooled
Operating temperature (°C)	10-30
Power supply	PSU-MIR (3U)
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY	WATER COOLED PLATE (optional)	WATER CHILLER
 <p>256(L)×196(W) ×66(H) mm<sup>3</sup>, 3kg</p>	 <p>560 (L) ×482(W) ×133 (H) mm<sup>3</sup>, 22 kg</p>	 <p>205 (L)×241(W) ×25(H) mm<sup>3</sup>, 1.5kg</p>	 <p>434 (L)×678(W)×749(H) mm<sup>3</sup>, 75kg</p>

<sup>1</sup> Any power level can be selected in this range.