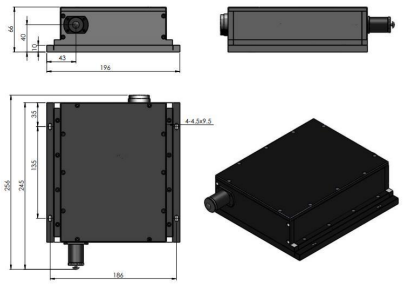
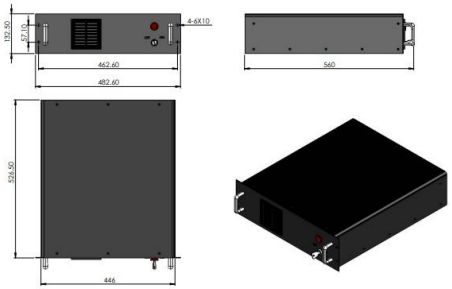
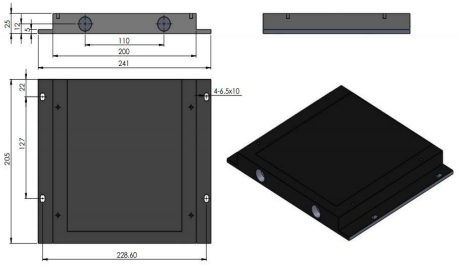
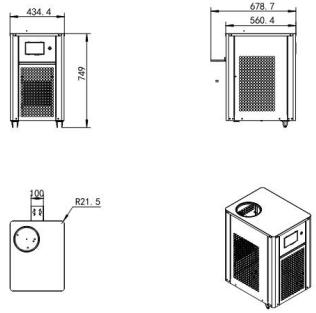
OEM-AO-2120/1-3W

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 2120nm

All solid state AOM Q-switched laser at 2120nm 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)	2120±2
Operating mode	Actively
Output power (W) [1]	1-3
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Pulse duration(ns)	~60@10kHz&3W
Rep.rate (kHz)	10
Single pulse energy (μJ)	100-300
Peak power (kW)	1-5
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e^2,mm)	<4
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
			
256(L)×196(W) ×66(H) mm^3, 3kg	560 (L) ×482(W) ×133 (H) mm3, 22 kg	205 (L)×241(W) ×25(H) mm^3, 1.5kg	434 (L)×678(W)×749(H) mm^3, 75kg

1 Any power level can be selected in this range.