

AO-1064A/1W-1.5W /1mJ-1.5mJ



LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

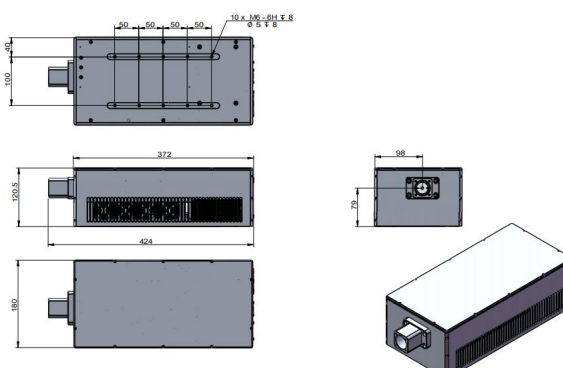
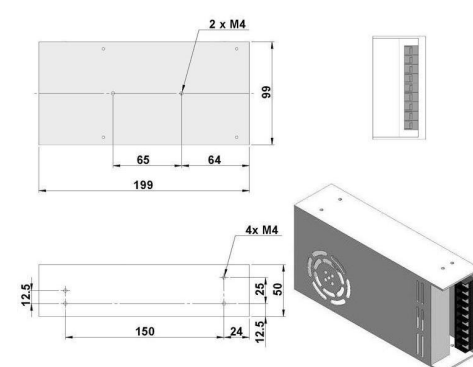
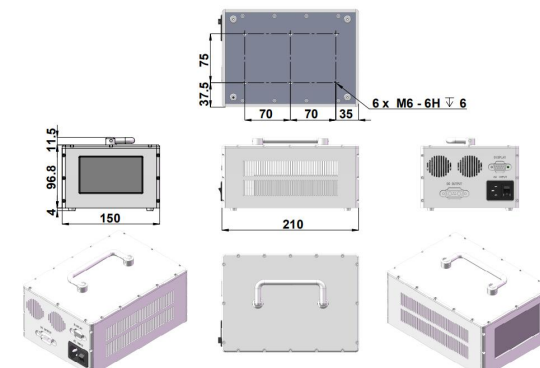
All solid state AOM Q-switched laser at 1064 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1		
Operating mode	Actively		
Average power (W)	1-1.5@1kHz		
Single pulse energy (mJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Rep. rate ¹	1-1.5@1Hz-1kHz ~0.8@10kHz		
Pulse duration (ns) ²	~10@1Hz	~12@1kHz	~25@10kHz
Peak power (kW)	~150@1Hz	~125@1kHz	~32@10kHz
Ave power stability (over 4 hours)	<2%, <1%		
Transverse mode	TEM ₀₀		
Beam divergence, full angle (mrad)	<3		
Beam diameter at the aperture (1/e ² , mm)	~0.8		
M ²	<1.2		
Polarization ratio	>100:1 Horizontal		
Warm-up time (minutes)	<10		
Beam height from base plate (mm)	79		
Cooled method	Air cooled		
Operating temperature (°C)	10-35		
Operating voltage (VDC)	12V/25A		
Expected lifetime (hours)	>10000		



LASER HEAD (Driver Integrated)	POWER SUPPLY PSU-12 (100-240VAC) optional	POWER SUPPLY PSU-12-P ³ (100-240VAC) optional
 424 (L) × 180 (W) × 120.5 (H) mm³, 9.5 kg	 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg	 210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

3 Parameters can be adjusted.(on/off, Rep. Rate, etc.)

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