

AO-Mini-E-1064/500mW-3W/10uJ-200uJ



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

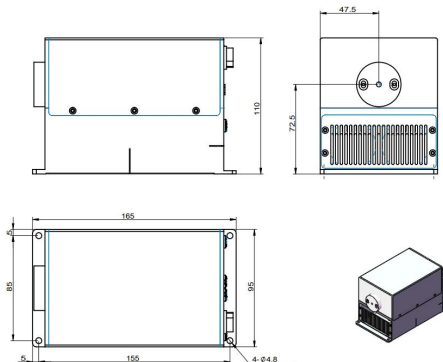
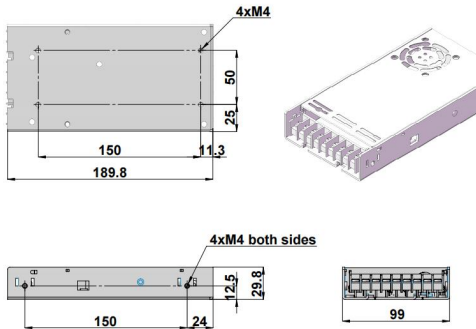
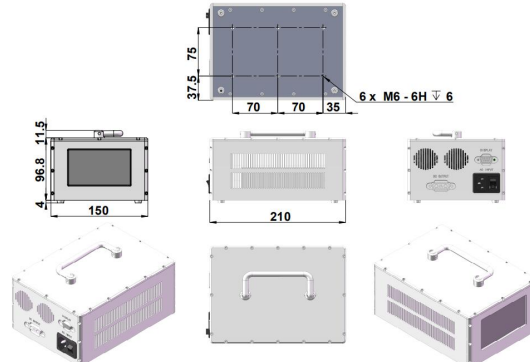
All solid state AOM Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1		
Operating mode	Actively		
Average power (mW)	200@10kHz	500@50kHz	3000@300kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Single pulse energy (μJ)	>200@10kHz	>10@50kHz	>10@300kHz
Rep. rate ¹	1-10kHz	20-200kHz	100-300kHz
Pulse duration (ns) ²	~ 20@10kHz	~15@50kHz	~15@300kHz
Peak power (kW)	~10@10kHz	~0.5@50kHz	~0.5@300kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%		
Transverse mode	TEM ₀₀		
Beam divergence, full angle (mrad)	< 4.5		
Beam diameter at the aperture (1/e ² , mm)	~0.7		
M ²	<1.2		
Beam height from base plate (mm)	72.5mm		
Warm-up time (minutes)	<10		
Cooled method	Air cooled		
Operating temperature (°C)	10-35		
Operating voltage (VDC)	24V/14.5A		
Expected lifetime (hours)	>10000		



LASER HEAD (Driver Integrated)	POWER SUPPLY PSU-24 (100-240VAC) optional	POWER SUPPLY PSU-24-P ³ (100-240VAC) optional
 155(L) × 95 (W) × 110 (H) mm³, 2.25kg	 189.8 (L) × 99 (W) × 29.8 (H) mm³, 0.8 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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