

AO-Mini-E-355/1-1000mW/1-150μJ



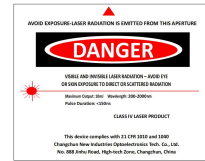
LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER

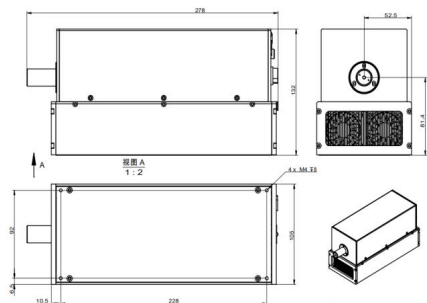
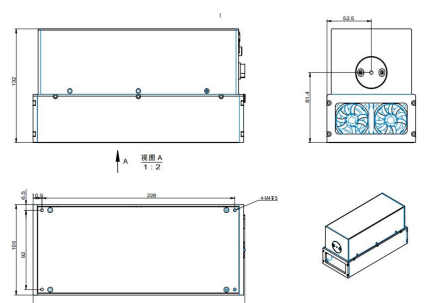
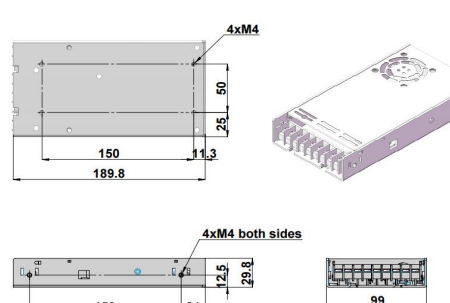
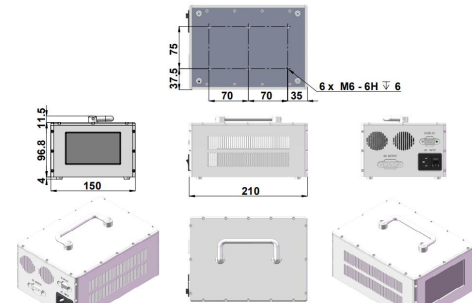
All solid state AOM Q-switched laser at 355nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	355±1			
Operating mode	Actively			
Average power (mW)	75@500Hz	150@1kHz	250@10kHz	1000@50kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)			
Single pulse energy (μJ)	>150@500Hz	>150@1kHz	>25@10kHz	>20@50kHz
Rep. rate <sup>1</sup>	1Hz-10kHz (AO-Mini-E-355-I)			10-100kHz (AO-Mini-E-355-II)
Pulse duration (ns) <sup>2</sup>	~9@0.001-1kHz		~20@10kHz	~8@50kHz
Peak power (kW)	~15@0.001-1kHz		~2@10kHz	~2@50kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%			
Transverse mode	TEM <sub>00</sub>			
Beam divergence, full angle (mrad)	<1		<3	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2		~0.5	
M <sup>2</sup>	<1.2			
Polarization ratio	>100:1 Vertical			
Warm-up time (minutes)	<10			
Beam height from base plate (mm)	81.4mm			
Cooled method	Air cooled			
Operating temperature (°C)	10-35			
Operating voltage (VDC)	24V/14.5A			
Expected lifetime (hours)	>10000			



LASER HEAD (Driver Integrated) (AO-Mini-E-355-I)	LASER HEAD (Driver Integrated) (AO-Mini-E-355-II)	POWER SUPPLY PSU-24 (100-240VAC) optional	POWER SUPPLY PSU-24-P <sup>3</sup> (100-240VAC) optional
 <p>278 (L) × 105 (W) × 132 (H) mm<sup>3</sup>, 4.2 kg</p>	 <p>251 (L) × 105 (W) × 132 (H) mm<sup>3</sup>, 4.1 kg</p>	 <p>189.8 (L) × 99 (W) × 29.8 (H) mm<sup>3</sup>, 0.8 kg</p>	 <p>210 (L) × 150 (W) × 112.3 (H) mm<sup>3</sup>, 2.75 kg</p>

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.)