

## AO-Mini-E-355/1-200μJ



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

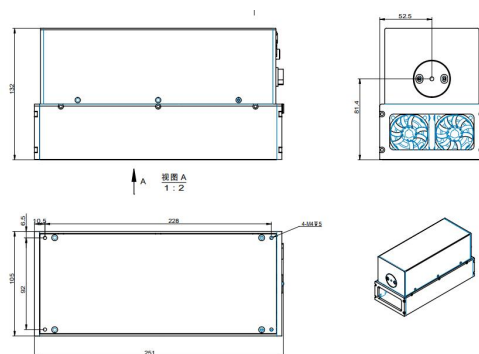
All solid state AOM Q-switched laser at 355nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



#### SPECIFICATIONS

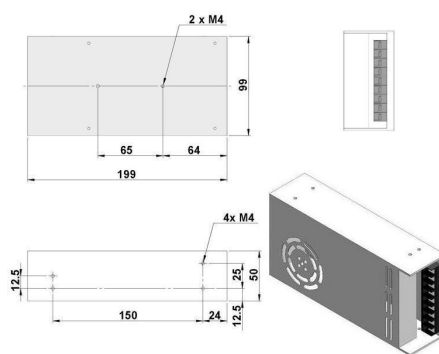
Wavelength (nm)	355±1			
Operating mode	Acousto-Optic Q-switched			
Average power (mW)	75@500Hz	160@1KHz	250@10KHz	1000@50KHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)			
Single pulse energy (μJ)	>150@500Hz	>150@1kHz	>25@10kHz	>20@50kHz
Rep. rate (kHz)	0.001~0.5	0.5~10	10~100	
Pulse duration (ns)	~9	~10@1kHz	~20@10kHz	~8@50kHz
Peak power (kW)	~16	~15@1kHz	~2@10kHz	~2@50kHz
Ave power stability (over 4 hours)	<5%, <3%, <1%			
Transverse mode	TEM00			
Beam divergence, full angle (mrad)	<3			
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~0.5			
Polarization ratio	>100:1, Vertical			
Beam quality (M <sup>2</sup> )	<1.2			
Warm-up time (minutes)	<10			
Beam height from base plate (mm)	81.4mm (heat sink included)			
Cooled method	Air Cooled			
Operating temperature (°C)	10~35			
Supply Voltage	DC 24V/13A (PSU-24/ PSU-24-P optional)			

#### AO-Mini-E-355 *Integrated electronics* (heat sink included)



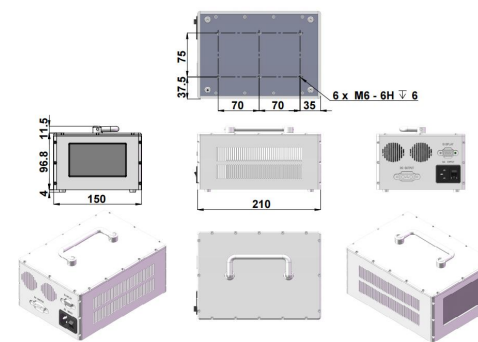
251 (L) × 105 (W) × 132 (H) mm<sup>3</sup>, 4.2 kg

#### PSU-24<sup>①</sup> (Power supply 100-240VAC)



DC24V 13A; 199 (L) × 99 (W) × 50 (H) mm<sup>3</sup>, 1 kg

#### PSU-24-P<sup>②</sup> (Power supply 100-240VAC)



220.6(L) × 150 (W) × 112.5 (H) mm<sup>3</sup>, 2.75 kg

#### Note:

①Adaptor for 24V/13A.

②Adaptor for 24V/13A, parameter control function is included.