

AO-Mini-E-355/20μJ



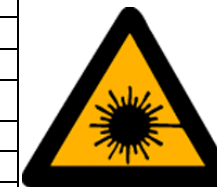
**LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER**

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)	1000mW@50KHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>20@50KHz
Rep. rate (kHz)	10~100
Pulse duration (ns)	~8@50kHz
Peak power (kW)	~2.5@50kHz
Ave power stability (over 4 hours)	<1%
Transverse mode	TEM00
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~0.8
Beam divergence, full angle (mrad)	< 3
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 <i>Integrated electronics</i> (heat sink included )	PSU-24 <sup>①</sup> ( Power supply 100-240VAC )	PSU-24-P <sup>②</sup> (Power supply 100-240VAC)
<p>251 (L) × 105 (W) × 132.1 (H) mm<sup>3</sup>, 2.2 kg</p>	<p>DC24V 13A; 199 (L) × 99 (W) × 50 (H) mm<sup>3</sup>, 1 kg</p>	<p>220.6(L) × 150 (W) × 112.5 (H) mm<sup>3</sup>, 2.75 kg</p>

**Note:**

- ① Adaptor for 24V/13A.
- ② Adaptor for 24V/13A, and power control function is included.