



AO-532A& 355A

532 1W/ 500uJ

355 1W/ 500uJ

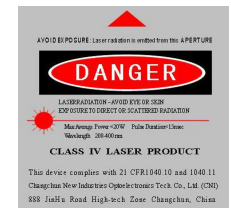
LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER at DAUL
532NM AND 355NM

All solid state AOM Q-switched laser at Daul wavelengths 532 nm and 355nm has the features of high peak power and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

Wavelength (nm)	532±1	355±1
Operating mode	Acousto-Optic Q-switched	
Average power (W)	500mw@1KHz; 1W@2kHz	500mw@1KHz; 1W@2kHz
	2W@5KHz; 2.5W@10KHz	2.5W@5KHz; 3W@10KHz
Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Single pulse energy (μJ)	>500uJ@1KHz; >500uJ@2kHz;	>500uJ@1kHz; >500uJ @2kHz
	>400uJ@5KHz; >250uJ@10KHz	>500uJ@5KHz; >300uJ@10KHz
Rep. rate (kHz)	1~10	
Pulse width (ns)	~12@1KHz; ~12@2kHz;	~13@1KHz; ~15@2kHz;
	~15@5KHz; ~22@10KHz	~19@5KHz; ~25@10KHz
Transverse mode	TEM ₀₀	
Beam Circularity (%)	>90	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	~3.5	~2
Beam diameter at the aperture (1/e ² , mm)	~0.8	~0.8
Polarization ratio	>100:1, Vertical	>100:1, Horizontal
Beam height from base plate (mm)	79	
Warm-up time (minutes)	<10	
Cooled method	Air Cooled	
Operating temperature (°C)	10~35	
Supply Voltage	DC 12V/25A (PSU-12/ PSU-12-P optional)	



<p>AO-532A&355A <i>Integrated electronics</i></p>	<p>PSU-12^① (Power supply 100-240VAC)</p>	<p>PSU-12-P^② (Power supply 100-240VAC)</p>
<p>372 (L) × 180(W) × 120.5 (H) mm³, 10 kg</p>	<p>DC12V 25A; 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg</p>	<p>220.6(L) × 150 (W) × 112.5 (H) mm³, 2.75 kg</p>

Note:

①Adaptor for 12V/25A.

②Adaptor for 12V/25A, and power control function is included.