

AO-355W 20W



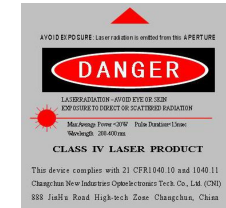
LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER at 355NM

All solid state AOM Q-switched laser at 355 nm has the features of high peak power, high repetition rate, 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)	355±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	20W@50kHz
Single pulse energy (μJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Rep. rate (kHz)	>400@50kHz
Pulse width (ns)	50~200
Ave power stability (over 4 hours)	~13@50kHz
Transverse mode	<3%, <1%
Beam Circularity (%)	TEM ₀₀
M ² factor	>90
Beam divergence, full angle (mrad)	<1.2
Beam diameter at the aperture (1/e ² , mm)	<3.5
Polarization ratio	~0.8
Beam height from base plate (mm)	>100:1, Horizontal
Warm-up time (minutes)	90
Cooled method	<10
Operating temperature (°C)	Water Cooled
	10~35



AO-355W <i>Integrated electronics</i>	PSU-24 ^① (Power supply 100-240VAC)	PSU-24-P ^② (Power supply 100-240VAC)	Water Chiller (WCH-580)
<p>531 (L) × 222 (W) × 128 (H) mm³, 17.6 kg</p>	<p>DC24V 13A; 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>	<p>369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg</p>

Note:

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