



AO-355W 5W/1mJ

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, and so on.

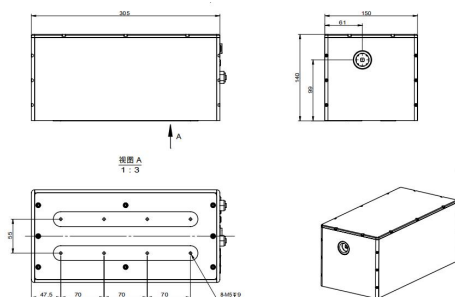


SPECIFICATIONS

Wavelength (nm)	355±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	5W@5kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>1000@5KHz
Rep. rate (kHz)	1-10
Pulse width (ns)	~15 @5kHz
Ave power stability (over 4 hours)	<5%, <3%, <1%
Transverse mode	TEM ₀₀
M ² factor	<1.2
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e ² , mm)	~0.8
Polarization ratio	>100:1, Horizontal
Beam height from base plate (mm)	99
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (°C)	10~35
Supply Voltage	DC24V/20.9A (PSU-24/PSU-24-P optional)



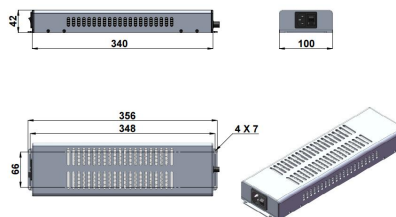
AO-355W *Integrated electronics*



305(L) × 150 (W) × 140 (H) mm³

PSU-24^①

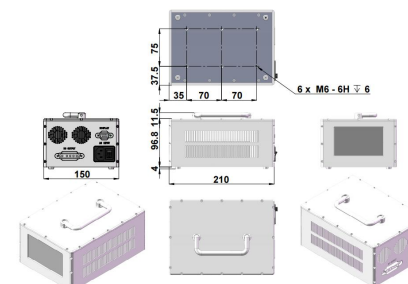
(Power supply 100-240VAC)



DC24V 20.9A; 356(L) × 100 (W) × 42 (H) mm³, 1.6kg

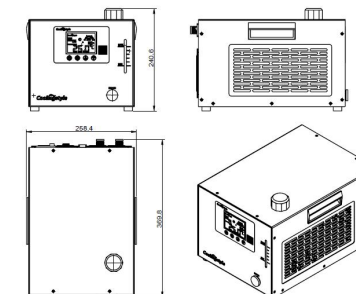
PSU-24-P^②

(Power supply 100-240VAC)



210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg

Water Chiller (WCH-580)



369.8 (L) × 258.4(W) × 240.6 (H) mm³, 10.5 kg

Note:

①Adaptor for 24V/20.9A.

②Adaptor for 24V/20.9A, parameter control function is included.