



AO-355W 5W/160uJ/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.

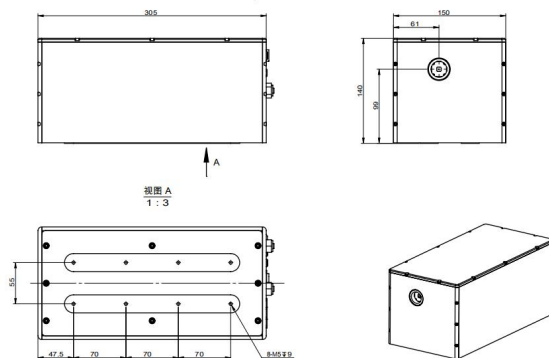


SPECIFICATIONS

Wavelength (nm)	355±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	5W@5kHz	5W@30kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	>1000@5KHz	>160@30kHz
Rep. rate (kHz)	1-10	20~200
Pulse width (ns)	~15 @5kHz	~15 @30kHz
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	60
Warm-up time (minutes)	<10	
Cooled method	Water Cooled	
Operating temperature (°C)	10~35	
Supply Voltage	DC24V/20.9A	DC12V/25A
	(PSU-24/PSU-24-P optional)	(PSU-12/ PSU-12-P optional)

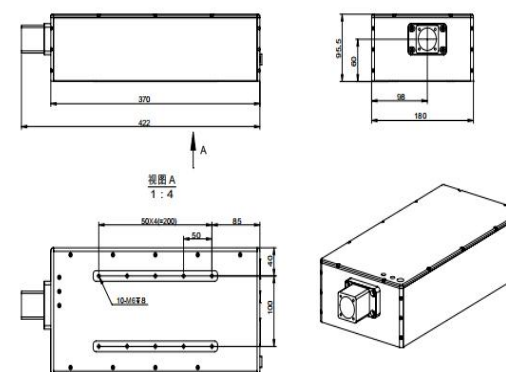


AO-355W 5W (1K-10K) Integrated electronics

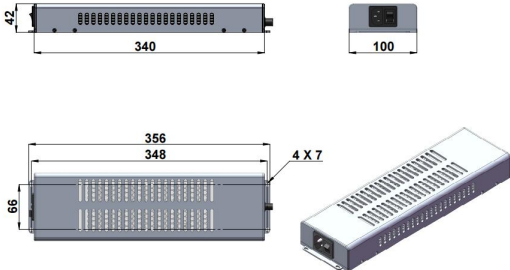
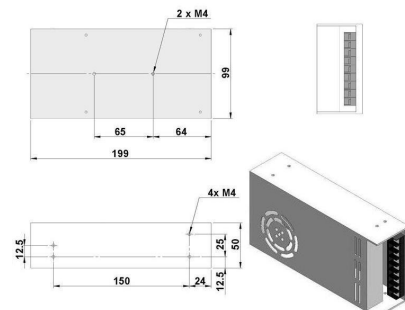
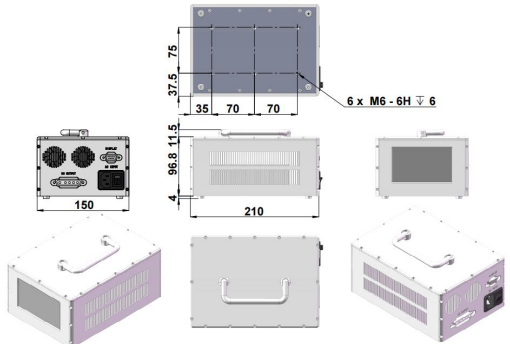
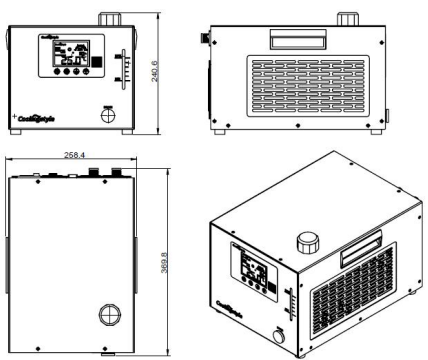


305(L) × 150 (W) × 140 (H) mm³, 10.56 kg

AO-355W 5W (20K-200K) Integrated electronics



422 (L) × 180 (W) × 95.5 (H) mm³, 9.8 kg

PSU-24^① 1K-10K (Power supply 100-240VAC)  DC24V 20.9A; 356(L) × 100 (W) × 42 (H) mm³, 1.6kg	PSU-12^① 20K-200K (Power supply 100-240VAC)  DC 12V 25A; 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg
PSU-12/24-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 12V/24V.

②Adaptor for 12V/24V, parameter control function is included.