

AO-V-1064A/10W/20W



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

All solid state AOM Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking light-transmitting products, scientific research, etc.

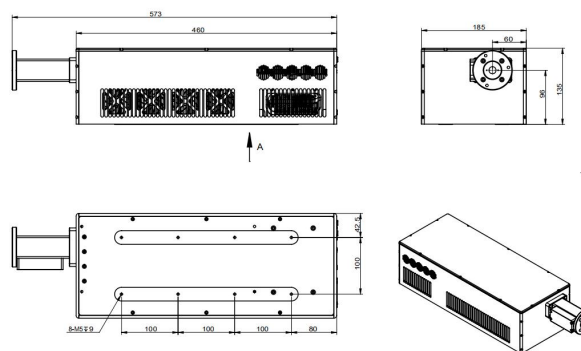


SPECIFICATIONS

Wavelength (nm)	1064±1			
Operating mode	Actively			
Average power (W)	10@10kHz	10@20kHz	20@50kHz	20@100kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)			
Single pulse energy (μJ)	>1000@10kHz	>500 @20kHz	>400@50kHz	>200@100kHz
Rep. rate ¹	1-10kHz	20-200kHz		
Pulse duration (ns) ²	~35@10kHz	~12@20kHz	~17@50kHz	
Peak power (kW)	~28@10kHz	~40 @20kHz	~23@50kHz	
Power stability (rms, 4 hours ± 3°C)	<2%, <1%			
Beam divergence, full angle (mrad)	<1.5			
Beam diameter at the aperture (mm)	~6.0			
M ²	<1.2			
Polarization ratio	>100:1 Horizontal			
Pilot light(optional)	~5mW @650nm			
Beam height from base plate (mm)	96			
Warm-up time (minutes)	<10			
Cooled method	Air cooled			
Operating temperature (°C)	10-35			
Operating voltage (VDC)	24V/21A			
Expected lifetime (hours)	>10000			

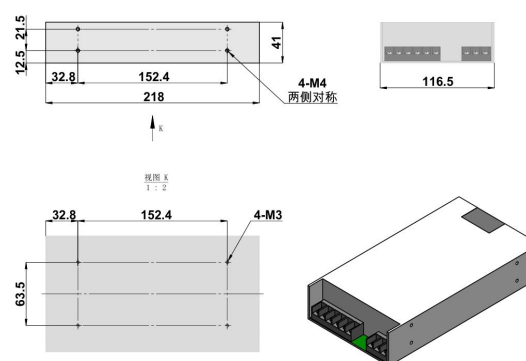


LASER HEAD (Driver Integrated)



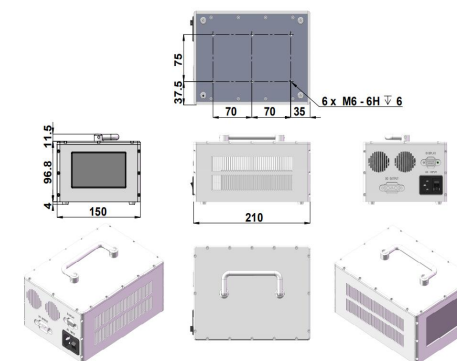
573 (L) × 185(W) × 135(H) mm³, 15.2kg

POWER SUPPLY
PSU-24 (100-240VAC) optional



218(L) × 116.5(W) × 41 (H) mm³, 1.08 kg

POWER SUPPLY
PSU-24-P³ (100-240VAC) optional



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

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

3 Parameters can be adjusted.(on/off, Rep. Rate, etc.)

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