



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



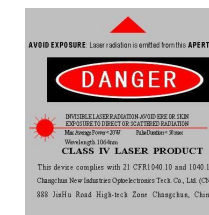
LD PUMPED ALL-SOLID-STATE AOM
Q-SWITCHED LASER

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.

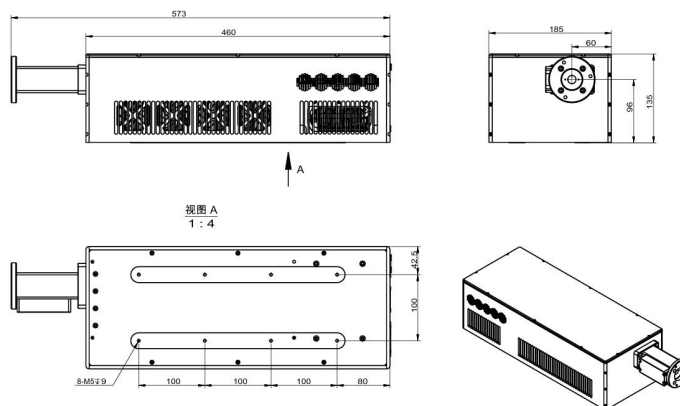


SPECIFICATIONS

Wavelength (nm)	1064±1			
Operating mode	Acousto-Optic Q-switched			
Average power (W)	10W @10kHz	10W @20kHz	20W @50kHz	20W @100kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)			
Single pulse energy (μJ)	≥1000uJ@10kHz	≥500uJ @20kHz	≥400uJ @50kHz	≥200uJ @100kHz
Rep. rate (kHz)	1-10	20~200		
Pulse duration (ns)	<35@10kHz	<15@20kHz	<20@50kHz	
Peak power (kW)	>28	>33 @20kHz	>20 @50kHz	
M ² factor	<1.2			
Ave power stability (over 4 hours)	<3%, <2%, <1%			
Beam divergence, full angle (mrad)	<1.5			
Beam diameter at the aperture (mm)	~6.0			
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			
Power supply	DC 24V/21A			

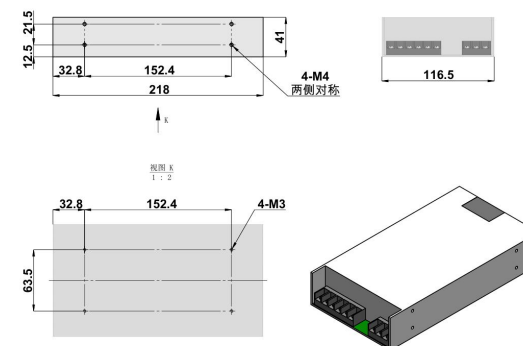


AO-V-1064A *Integrated electronics*



573 (L) ×185(W) ×135(H) mm³,15.2kg

Power supply 100-240VAC



218(L) ×116.5(W) ×41 (H) mm³,1.08 kg