



AO-V-1064A /20W

SPECIFICATIONS

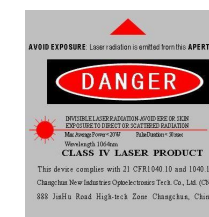


LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

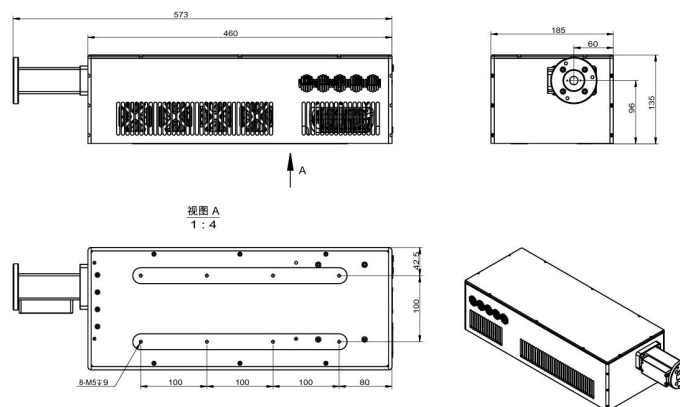
All solid state AOM Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking light-transmitting products.



Wavelength (nm)	1064±1		
Operating mode	Acousto-Optic Q-switched		
Average power (W)	10W @20kHz	20W @50kHz	20W @100kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Single pulse energy (μJ)	≥500uJ @20kHz	≥400uJ @50kHz	≥200uJ @100kHz
Rep. rate (kHz)	20~200		
Pulse duration (ns)	<15@20kHz	<20@50kHz	
Peak power (kW)	<33 @20kHz	<20 @50kHz	
M ² factor	<1.2		
Ave power stability (over 4 hours)	<3%		
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 (220/110VAC)	DC 24V/21A		

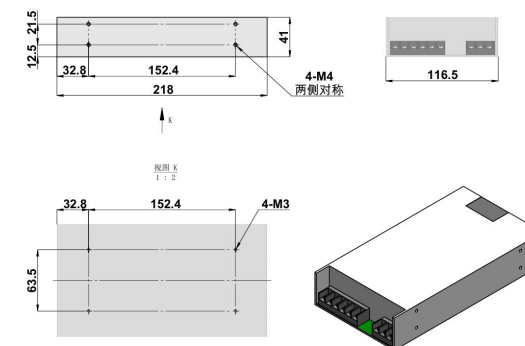


AO-V-1064A



573 (L) ×185(W) ×135(H) mm³,15.2kg

Power supply 100-240VAC



218(L) ×116.5(W) ×41 (H) mm³,1.08 kg