

AO-1064W-HE 20W



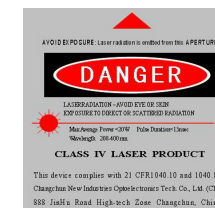
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER at 1064NM

All solid state AOM Q-switched laser at 1064 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in superhard material processing and diamond cutting, etc .

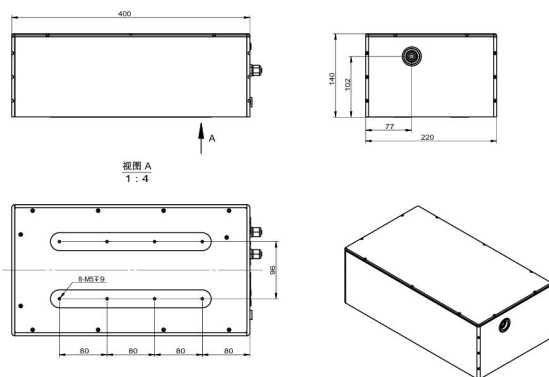


SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	20W@10kHz
Single pulse energy (μJ)	2000@10kHz
Rep. rate (kHz)	5~100
Pulse width (ns)	<20@10kHz
Ave power stability (over 4 hours)	<3%, <1%
Transverse mode	TEM ₀₀
Beam Circularity (%)	>90
M ² factor	<1.2
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e ² , mm)	~1
Polarization ratio	>100:1, (Vertical or Horizontal optional)
Beam height from base plate (mm)	102
Warm-up time (minutes)	<10
Cooled method	Water Cooled
Operating temperature (°C)	10~35
Supply Voltage	DC 24V/20.9A

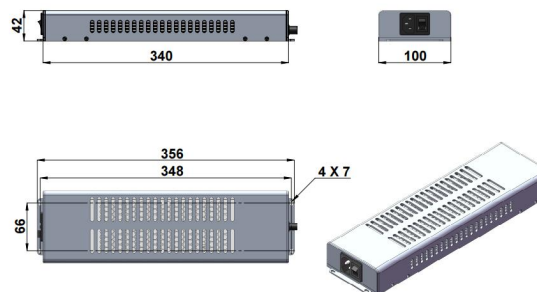


AO-1064W-HE *Integrated electronics*



400 (L) × 220 (W) × 140 (H) mm³, 17kg

PSU-24 (Power supply 100-240VAC)



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

Water Chiller (WCH-580)



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