

AO-V-1064 / 1~600μJ/1~20W



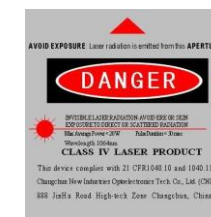
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER**

All solid state AOM Q-switched laser AO-V-1064 has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking on harder metals such as Titanium, Inconel, or Tool Steel.

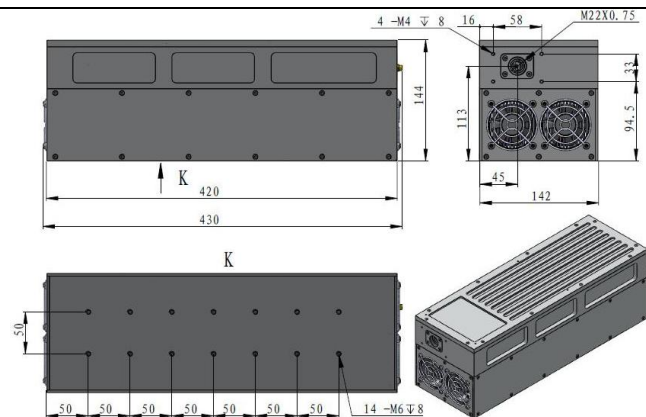


SPECIFICATIONS

Wavelength (nm)	1064±1				
Operating mode	Acousto-Optics Q-switched				
Average power (W)	1~6W @ 10kHz	1~12W @ 30kHz	1~15W @ 30kHz	1~18W @ 30kHz	1~20W @ 30kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)				
Single pulse energy (μJ)	1~600	1~400	1~500	1~600	1~660
Rep. rate (kHz)	1~200				
Pulse duration (ns)	~30 @ 10kHz	~25 @ 30kHz			
Peak power (kW)	1~20 @ 10kHz	1~15 @ 30kHz	1~20 @ 30kHz	1~25 @ 30kHz	1~30 @ 30kHz
M ² factor	<1.2	<1.5	<2.0		
Ave power stability (over 4 hours)	<1%, <3%, <5%				
Warm-up time (minutes)	<10				
Beam divergence, full angle (mrad)	<1.5				
Beam diameter at the aperture (1/e ² ,mm)	~2.0				
Beam height from base plate (mm)	113				
Polarization ratio	>100:1				
Cooled method	Air cooled				
Operating temperature (°C)	10~35				
Power supply (220/110VAC)	PSU-AOM(3U)				
Expected lifetime (hours)	10000				
Warranty period	1 year				
Pilot light (optional)	~5mW @ 650nm				

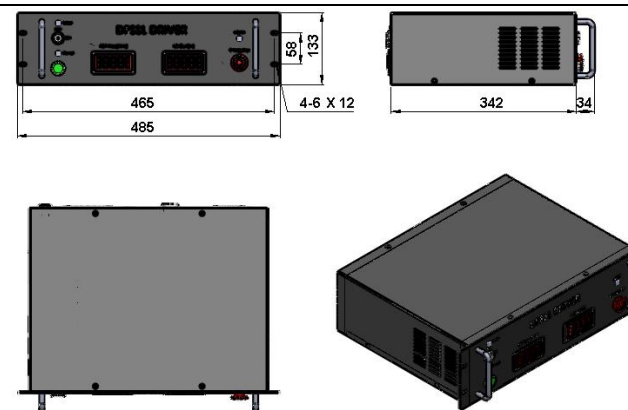


AO-V-1064



420(L)×142(W)×144(H) mm³, 9.5 kg

PSU-AOM(3U)



485(L)×381(W)×133(H) mm³, 12.5 kg