

AO-V-1064 /1-600uJ/8~20W

SPECIFICATIONS


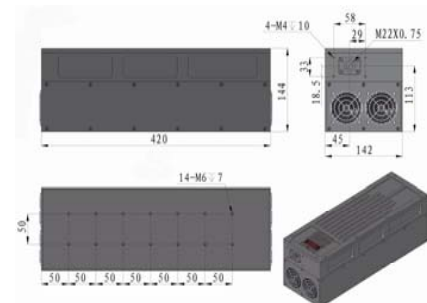
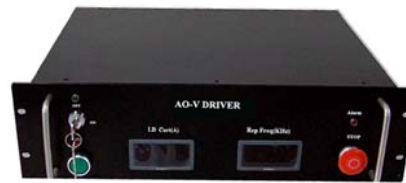
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

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.



Wavelength (nm)	1064±1					
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)					
Output power (W)	1~8	1~10	1~12	1~15	1~18	1~20
Single pulse energy (μJ)	1~250	1~300	1~400	1~500	1~550	1~600
Pulse duration (ns)	<25@30kHz, <35@50kHz, <50@100kHz, <75@200kHz					
Peak power (Kw, @30kHz)	~10	~13	~15	~20	~25	~30
Rep. rate (kHz)	1~200, adjustable by external control					
Ave power stability (over 4 hours)	<1%, <3%, <5%, <10%					
Warm-up time (minutes)	<10					
Beam divergence, full angle (mrad)	<1.5					
Beam diameter at the aperture (mm)	~4.0					
Beam height from base plate (mm)	113					
Polarization ratio	>100:1					
Cooled method	Air cooled					
Operating temperature (°C)	15~35					
Power supply (220/110VAC)	PSU-AOM(3U)					
Expected lifetime (hours)	10000					
Warranty period	1 year					
Pilot light (optional)	5mW @650nm					



AO-V-1064	Dimensions	PSU-AOM(3U)	Dimensions
 <p>420(L)×142(W)×144(H) mm³, 10.2 kg</p>		 <p>485(L) × 381(W) × 133 (H) mm³, 12.55 kg</p>	