

AO-V-532 /1~300uJ/5~8W

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


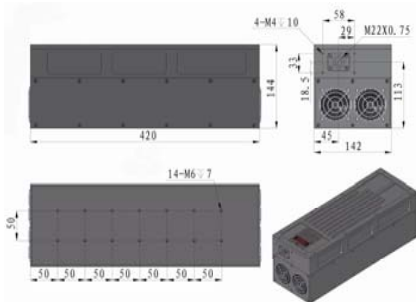
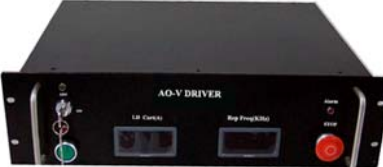
All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is in marking on materials that are hard, such as highly reflective metals: silver and gold; semiconductors: including silicon, gallium arsenide and germanium, and rubbers such as silicone.



SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)	
Output power (W)	@CW mode	7
	@Q-switched mode	>8@30kHz, typical
Single pulse energy (μJ)	1~300	
Pulse duration (ns)	<30@30kHz	
Peak power (kW)	~10	
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)	<2	
Beam diameter at the aperture (mm)	~4.0	
Beam height from base plate (mm)	96	
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-532	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, 12.4 kg</p>	