

AO-L-532 /1~500uJ/1-2000mW

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 used in laser inner caver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	532±1				
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)				
Output power (W)	~0.5W@1kHz	~1.0W@2kHz	~1.5W@3kHz	~2.0W@4kHz	~3.5W@5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)				
Single pulse energy (μJ)	1~500				
Pulse duration (ns)	5~10				
Peak power (kW)	1~100				
Rep. rate (kHz)	0.8~4				
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 (mm)	~2.0				
Beam height from base plate (mm)	101				
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				



AO-L-532A (With LDA included in the laser head)		AO-L-532B (With LDA included in the driver)	
Laser Head	Driver-PSU-AOM(3U)	Laser Head	Driver-PSU-AOM(3U)
 <p>385(L) × 194(W) × 127 (H) mm³, 9.5kg</p>	 <p>485(L) × 376(W) × 133 (H) mm³, 11.6/1.3kg</p>	 <p>235(L) × 194(W) × 126 (H) mm³, 5.4kg</p>	 <p>485(L) × 376(W) × 133 (H) mm³, 13.2kg</p>
