

AO-N-1064/100~400uJ/1~2000mW

LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER AT 1064 nm

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 widely used in marking, carving, measure, research and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	CW	
	Q-switched: AOM (Acousto-Optic Modulation)	
Output power	@ CW mode	1~2W
	@ Q-switched mode	>65% @ 10kHz, typical >80% @ 20kHz
Single pulse energy (μJ)	100~400	
Pulse duration (ns)	8~15	
Peak power (kW)	10~30	
Rep. rate (kHz)	1~50, 1~100, 1~200, optional	
Ave power stability (over 4 hours)	<3%, <5%, <10%	
Warm-up time (minutes)	<10	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~3.0	
Beam height from base plate (mm)	68.2	
Cooled method	Air cooled	
Operating temperature (°C)	15~35	
Power supply (220/110VAC)	PSU-AOM	
Expected lifetime (hours)	10000	
Warranty period	1 year	



AO-N-1064	Dimensions	PSU-AOM	Dimensions
<p>235(L)×99(W)×94(H) mm³, 2.6 kg</p>	<p>Dimensions: 200, 225, 235, 94, 68.20, 49.50, 4-5×10, 90, 17, 106, 99</p>	<p>320(L) × 303(W) × 125 (H) mm³, 10.5kg</p>	<p>Dimensions: 178, 303, 320, 125, 4.5, 10</p>