

AO-W-1030/1~130uJ/1~1300mW

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

All solid state AOM Q-switched laser at 1030 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser radar ranging, spectrometry, remote sensing, and so on.



SPECIFICATIONS

Wavelength (nm)	1030±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Output power (mW)	1~1300 (1300mW@10KHz typically) Average power (mW) = Single pulse energy (uJ) * Rep. rate (kHz)
Single pulse energy (uJ)	1~130 (130uJ@10kHz typically)
Rep. rate (kHz)	1~10
Pulse duration (ns)	~50@10KHz
Peak power (kW)	0.02~2.6
Ave power stability (over 4 hours)	<5%
Beam divergence, full angle (mrad)	<2.0
Beam diameter at the aperture (mm)	~4.0
Beam height from base plate (mm)	93.5
Warm-up time (minutes)	<10
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-AOM
Expected lifetime (hours)	10000
Warranty period	1 year

