

AO-W-1573/1~30uJ/1~1000mW

SPECIFICATIONS

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

All solid state AOM Q-switched laser at 1573 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.



Wavelength (nm)	1573±1
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Output power @Q-switched mode	1~1000mW@30kHz, typical
Single pulse energy (µJ)	1~30
Pulse duration (ns)	~10
Peak power (kW)	1-30
Rep. rate (kHz)	1~50, 1~100, 1~200, optional
Ave power stability (over 4 hours)	<5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2.0
Beam diameter at the aperture (mm)	~4.0
Beam height from base plate (mm)	93.5
Cooled method	Air cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-AOM
Expected lifetime (hours)	10000
Warranty period	1 year



AO-W-1573	Dimensions	PSU-AOM	Dimensions
<p>333(L)×140(W)×125(H) mm³, 6.0 kg</p>		<p>333(L) ×300(W) ×123 (H) mm³, 6.88 kg</p>	