

AO-W-1030/0.13~1mJ/1~1300mW

SPECIFICATIONS


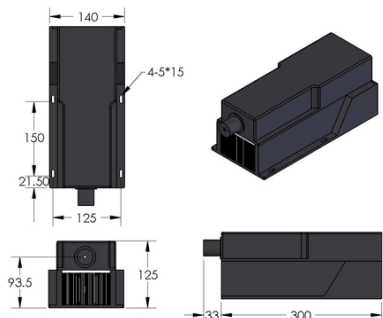


LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

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.



Wavelength (nm)	1030±1	
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)	
Output power (W)	1	1.3
Single pulse energy (mJ)	1	0.13
Pulse duration (ns)	~20	~50
Peak power (kW)	50	26
Rep. rate (kHz)	1	10
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-1030	Dimensions	PSU-AOM	Dimensions
 <p>333(L)×140(W)×125(H) mm³, 6.0 kg</p>	 <p>140, 150, 21.50, 125, 93.5, 125, 4-5*15, 33, 300</p>	 <p>DPSSL DRIVER</p> <p>334(L) ×300(W) ×123 (H) mm³, 6.88 kg</p>	 <p>123, 300, 320, 334, 311, 228, 5</p>