

AO-UA-1064/1W-3W/300uJ-500uJ



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

All solid state AOM Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser radar, laser marking, scientific research and so on.

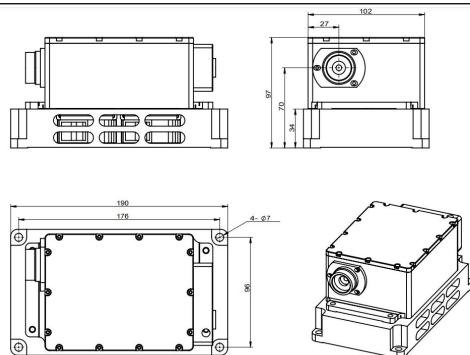


SPECIFICATIONS

Wavelength (nm)	1064±1		
Operating mode	Actively		
Average power (W)	1@1kHz	2.5@5kHz	3@10kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Single pulse energy (uJ)	>500@1Hz-5kHz		>300@10kHz
Rep. rate ¹	1Hz-10kHz		
Pulse duration (ns) ²	~10@1kHz	~15@5kHz	~25@10kHz
Peak power (kW)	~30@5kHz		
Power stability (rms, 4 hours ± 3°C)	<2%, <1%		
Beam divergence, full angle (mrad)	~3.5		
Beam diameter at the aperture (1/e ² , mm)	~0.8		
M ²	<1.2		
Polarization ratio	>100:1 Vertical		
Warm-up time (minutes)	<10		
Beam height from base plate (mm)	70		
Cooled method	Air cooled		
Operating temperature (°C) ³	10-35		
Power supply (100-240VAC)	PSU-AOM		
Expected lifetime (hours)	>10000		

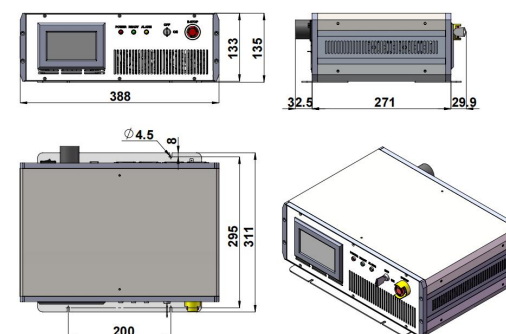


LASER HEAD



190 (L) × 110 (W) × 97 (H) mm³, 4.0 kg

POWER SUPPLY (PSU-AOM)



388 (L) × 311 (W) × 135 (H) mm³, 9.6 kg

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

3 Robust environmental adaptability with customizable wide-temperature.

Website: <http://www.cnilaser.com>

E-mail: sales@cnilaser.com

Tel: +86-431-85603799

Fax: +86-431-89216068