

AO-UA-532/300mW/2.5W-3.5W/300-800uJ



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

All solid state AOM Q-switched laser at 532 nm 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.

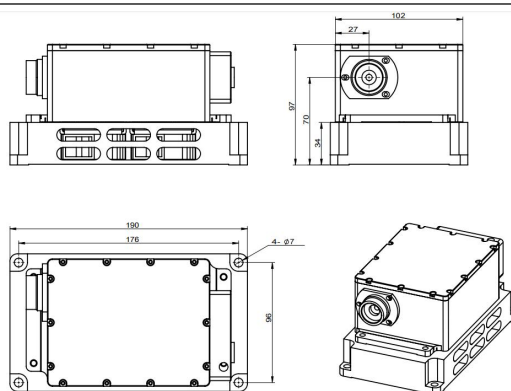


SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Actively	
Average power (mW)	300@1kHz	2500-3500@5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (uJ)	300	500-800@5kHz
Rep. rate ¹	1Hz-1kHz	1kHz-10kHz
Pulse duration (ns) ²	~10	~15@5kHz
Peak power (kW)	~30	30-50@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	

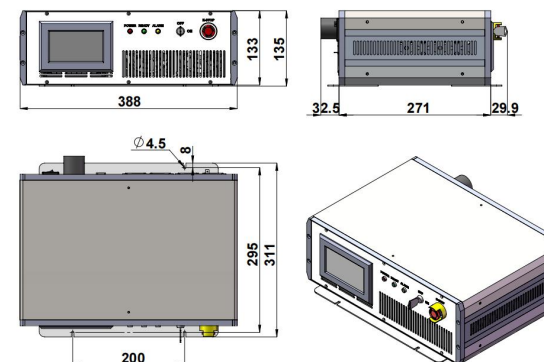


LASER HEAD



190 (L) × 102 (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.

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