

AO-U-532/1W-3W/500μJ-1mJ



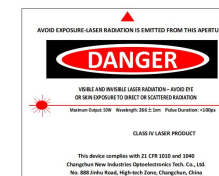
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

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.

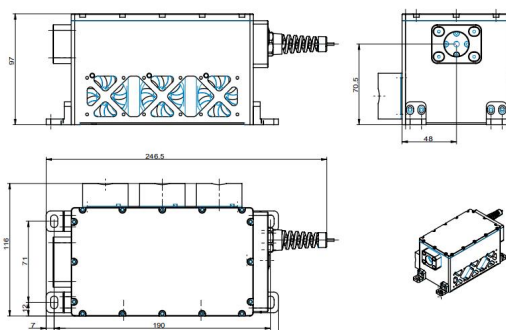


SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Actively	
Average power (W)	1@1kHz	3@3kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (mJ)	1@1kHz	1@3kHz
Rep. rate ¹	1Hz-10kHz	
Pulse duration (ns) ²	<15 @3kHz	
Peak power (kW)	~66 @3kHz	
Power stability (rms, 4 hours ± 3°C)	<2%, <1%	
Beam divergence, full angle (mrad)	<4.5	
Beam diameter at the aperture (1/e ² , mm)	~0.8	
M ²	<1.2	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	70.5	
Polarization ratio	>100:1 Vertical	
Cooled method	Air cooled	
Operating temperature (°C) ³	10-35	
Power supply (100-240VAC)	PSU-AOM	
Expected lifetime (hours)	>10000	

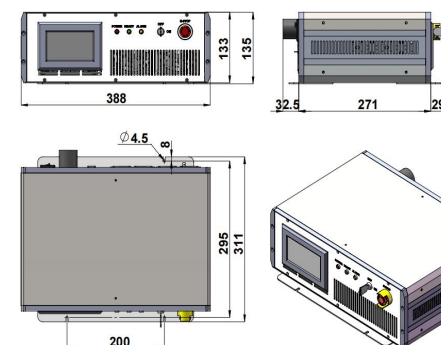


LASER HEAD



204(L) × 116 (W) × 97 (H) mm³, 2.84 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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