

AO-L-532/1W-3W/500uJ-600uJ



**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 inner carver, laser marking, scientific research and so on.

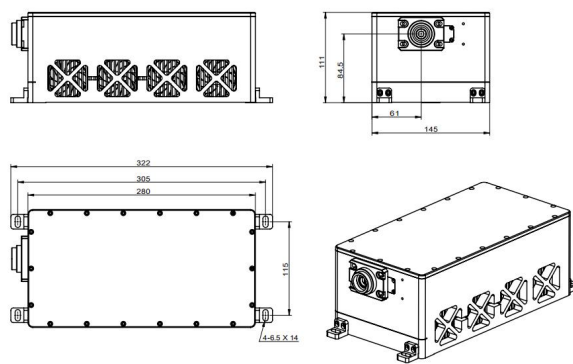


SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Actively	
Average power (W)	1@2kHz	3@5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	500@2kHz	600@5kHz
Rep. rate ¹	1Hz-10kHz	
Pulse duration (ns) ²	5-7 @<5kHz	
Peak power (kW)	~100@<5kHz	
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%	
Beam divergence, full angle (mrad)	~4.5	
Beam diameter at the aperture (1/e ² , mm)	~1.0	
Polarization ratio	>100:1 Vertical	
Beam height from base plate (mm)	84.5	
Warm-up time (minutes)	<10	
Cooled method	Air Cooled	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-AOM	
Expected lifetime (hours)	>10000	

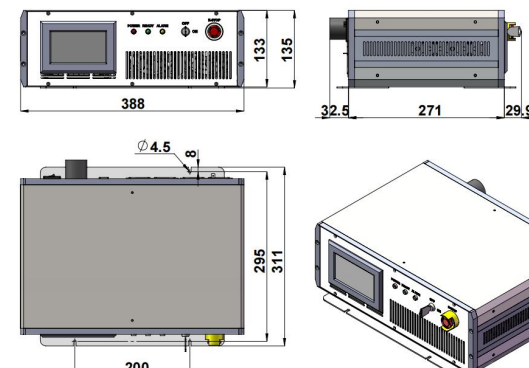


LASER HEAD



322 (L) × 145 (W) × 111 (H) mm³, 5.86 kg

POWER SUPPLY



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.

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