

AO-V-473/500mW/50uJ



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

All solid state AOM Q-switched laser at 473 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.

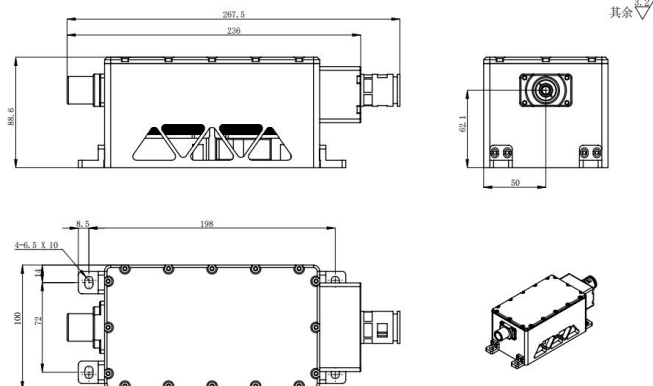


SPECIFICATIONS

Wavelength (nm)	473±1	
Operating mode	Actively	
Average power (mW)	500@1kHz	500@10kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	50@1kHz	50@10kHz
Rep. rate ¹	1-10kHz	
Pulse duration (ns) ²	~80@1kHz	~200@10kHz
Peak power (kW)	~0.5@1kHz	~0.25@10kHz
Power stability (rms, 4 hours ± 3°C)	<5%, <3%, <2%	
Beam divergence, full angle (mrad)	<2.5	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Beam height from base plate (mm)	62.1	
Warm-up time (minutes)	<10	
Cooled method	Air cooled	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-AOM	
Expected lifetime (hours)	>10000	

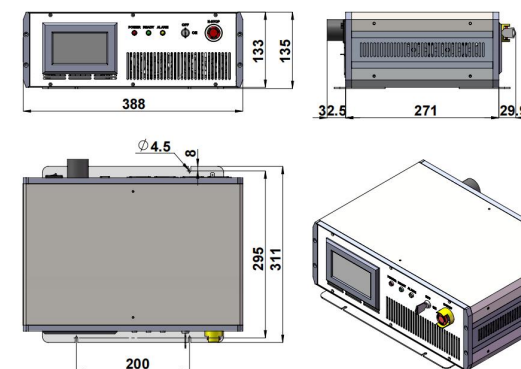


LASER HEAD



267.5(L) × 100 (W) × 88.6 (H) mm³

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.

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