

AO-355B/3W/1mJ



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

All solid state AOM Q-switched laser at 355 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.

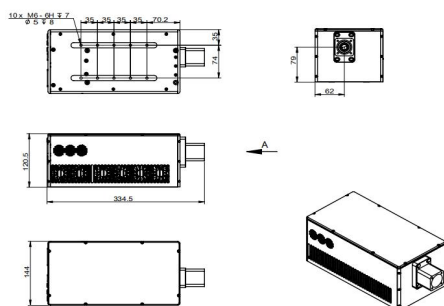


SPECIFICATIONS

Wavelength (nm)	355±1
Operating mode	Actively
Average power (W)	3@3kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>1000@3kHz
Rep. rate ¹	1kHz-10kHz
Pulse width (ns) ²	<15@3kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%
Transverse mode	TEM ₀₀
Beam Circularity (%)	>90
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 Horizontal
Beam height from base plate (mm)	79
Warm-up time (minutes)	<10
Cooling method	Air cooled
Operating temperature (°C)	10-35
Operating voltage (VDC)	12V/25A
Expected lifetime (hours)	>10000

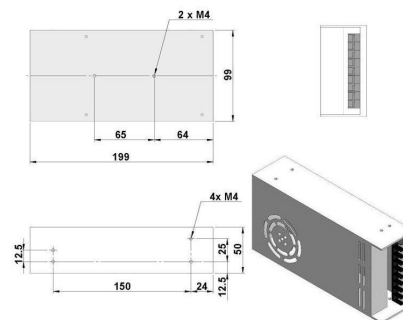


LASER HEAD (Driver Integrated)



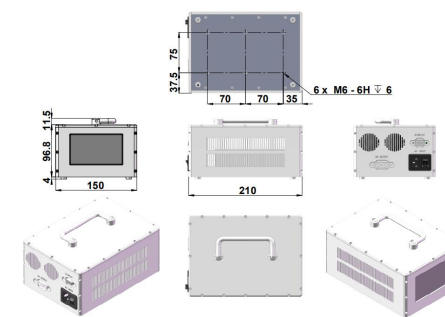
334.5 (L) × 144 (W) × 120.5 (H) mm³, 8.4 kg

POWER SUPPLY PSU-12 (100-240VAC) optional



199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg

POWER SUPPLY PSU-12-P³ (100-240VAC) optional



210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg

1 Other rep.rate range available on request.

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

3 Parameters can be adjusted.(on/off, Rep. Rate, etc.)

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