

AO-355W/25W/40W/60W

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.

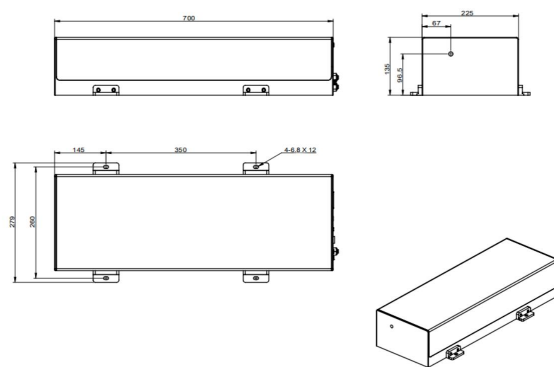


SPECIFICATIONS

Wavelength (nm)	355±1		
Operating mode	Actively		
Average power (W)	25@60kHz	40@60kHz	60@60kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)		
Single pulse energy (μJ)	>400@60kHz	>600@60kHz	>1000@60kHz
Rep. rate ¹	50-200kHz		
Pulse duration (ns) ²	~12@60kHz	~14@60kHz	~20@60kHz
Peak power (kW)	~33@60kHz	~40@60kHz	~50@60kHz
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)	96.5		
Warm-up time (minutes)	<10		
Cooled method	Water cooled		
Operating temperature (°C)	10-35		
Operating voltage (VDC)	36V/40A		
Expected lifetime (hours)	>10000		

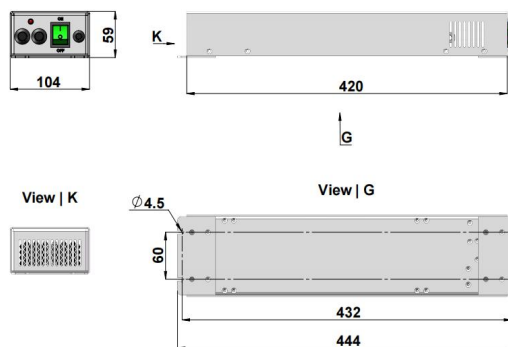


LASER HEAD (Driver Integrated)



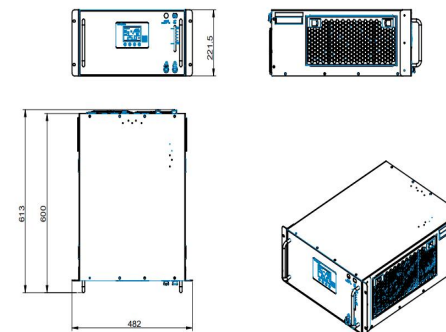
700 (L) × 279 (W) × 135 (H) mm³

POWER SUPPLY (100-240VAC)



444(L) × 104 (W) × 59 (H) mm³, 2.7kg

WATER CHILLER (5U03)



613(L) × 482 (W) × 221.5(H) mm³, 28 kg

1 Other rep.rate range available on request.

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

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