

AO-U-266/200-400mW/60-80uJ



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

All solid state AOM Q-switched laser at 266 nm has the features of high peak power and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.

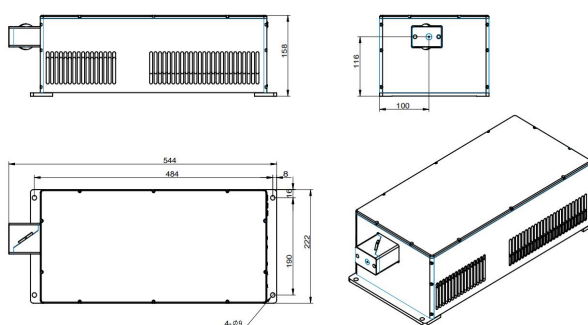


SPECIFICATIONS

Wavelength (nm)	266±1	
Operating mode	Actively	
Average power (mW)	200@3kHz	400@5kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (uJ)	>60@3kHz	>80@5kHz
	1-10kHz	
Rep. rate ¹		
Pulse duration (ns) ²	~15@3kHz	~15@5kHz
Peak power (kW)	~4 @3kHz	~5@5kHz
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%	
Transverse mode	TEM ₀₀	
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)	116	
Warm-up time (minutes)	<10	
Cooled method	Air cooled	
Operating temperature (°C)	10-35	
Operating voltage(VDC)	12V/25A	
Expected lifetime (hours)	>10000	

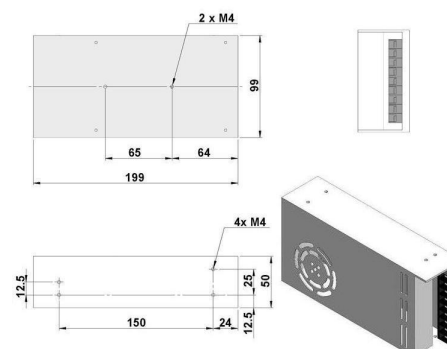


LASER HEAD (Driver Integrated)



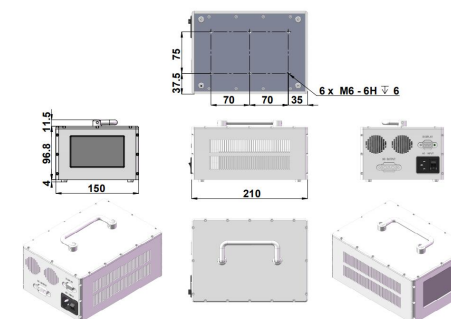
544 (L) × 222(W) × 158(H) mm³, 18.6 kg

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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