

AO-266A/100-200mW/ 4-7uJ



**LD PUMPED ALL-SOLID-STATE
ACOUSTO-OPTIC Q-SWITCHED
LASER**

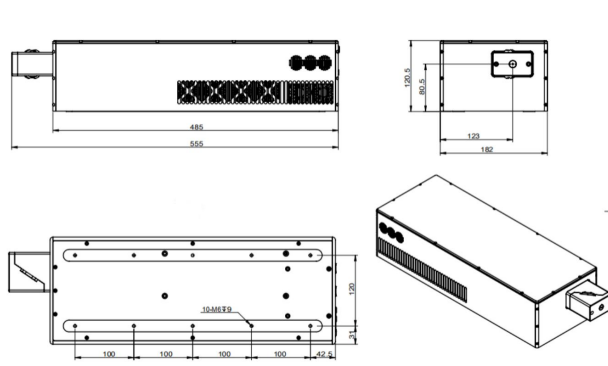
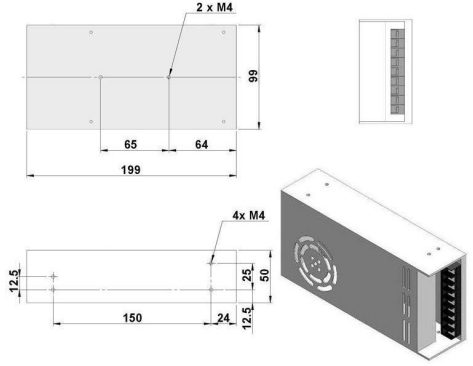
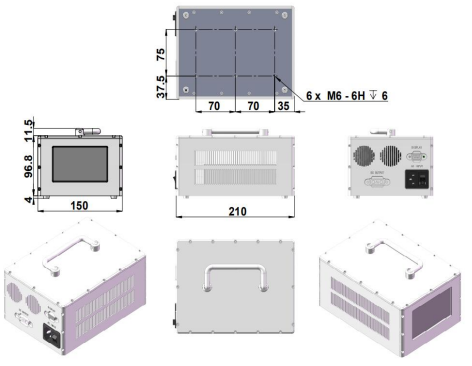
All solid state AOM Q-switched laser at 266 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser radar, scientific research, precision research and so on.



SPECIFICATIONS

Wavelength (nm)	266±1	
Operating mode	Actively	
Average power (mW)	100@30kHz	200@30kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	~4@30kHz	~7@30kHz
Rep. rate ¹	20-100kHz	20kHz-200kHz
Pulse duration (ns) ²	~10@30kHz	
Peak power (kW)	~0.4@30kHz	~1@30kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%	
Transverse mode	TEM ₀₀	
Beam divergence, full angle (mrad)	<3.5	
Beam diameter at the aperture (1/e ² , mm)	~1	
M ²	<1.2	
Polarization ratio	>100:1 Horizontal	
Beam height from base plate (mm)	80.5	
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)	POWER SUPPLY PSU-12 (100-240VAC) optional	POWER SUPPLY PSU-12-P ³ (100-240VAC) optional
 <p>555 (L) × 182 (W) × 120.5 (H) mm³, 10 kg</p>	 <p>199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg</p>	 <p>210 (L) × 150 (W) × 112.3 (H) mm³, 2.75 kg</p>

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.)