

AO-Mini-E-266/1-30mW/1-12μJ



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

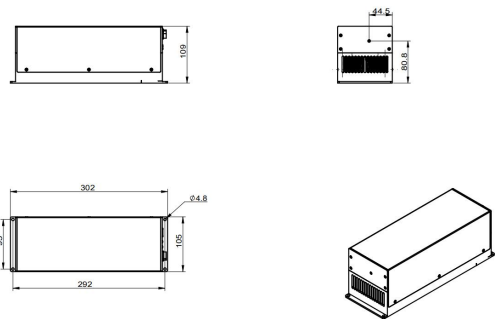
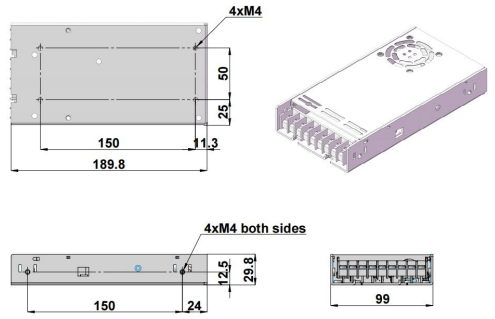
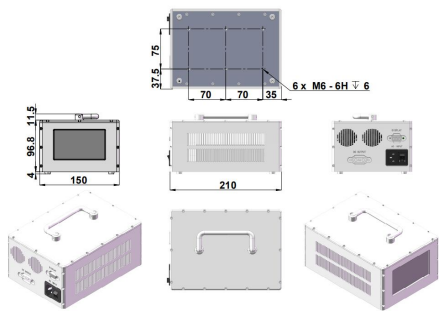
All solid state AOM Q-switched laser at 266nm has the features of high peak power and short pulse duration, which is used in laser radar, scientific research, photoacoustic imaging and so on.



SPECIFICATIONS

Wavelength (nm)	266±1
Operating mode	Actively
Average power (mW)	30@2.5kHz
Single pulse energy (μJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Rep. rate ¹	1Hz-10kHz
Pulse duration (ns) ²	~8@2.5kHz
Peak power (kW)	~1
Power stability (rms, 4 hours ± 3°C)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<3
Beam diameter at the aperture (1/e ² , mm)	~0.5
M ²	<1.2
Polarization ratio	>100:1 Horizontal
Warm-up time (minutes)	<10
Beam height from base plate (mm)	80.8
Cooled method	Air cooled
Operating temperature (°C)	10-35
Operating voltage (VDC)	12V/29A
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>302 (L) × 95 (W) × 109 (H) mm³, 5.3 kg</p>	 <p>189.8 (L) × 99 (W) × 29.8 (H) mm³, 0.8 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.)