

AO-1064A& 532A



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

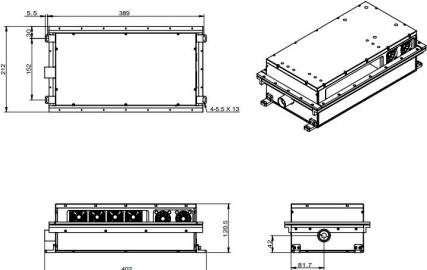
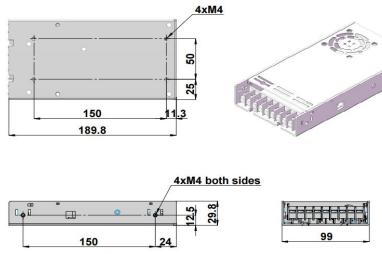
All solid state AOM Q-switched laser at Dual wavelengths 1064 nm and 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1	532±1
Operating mode	Actively	
Average power (mW)	1000@1kHz	500@1kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (μJ)	>1000@1kHz	>500@1kHz
Rep. rate <sup>1</sup>	1-10kHz	
Pulse duration (ns) <sup>2</sup>	~12@1kHz	
Peak power (kW)	~80@1kHz	~40@1kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%	
Transverse mode	TEM <sub>00</sub>	
Beam divergence, full angle (mrad)	<3.5	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~0.8	
M <sup>2</sup>	<1.2	
Polarization ratio	>100:1 Horizontal	>100:1 Vertical
Beam height from base plate (mm)	42	
Warm-up time (minutes)	<10	
Cooling method	Air cooled	
Operating temperature (°C) <sup>3</sup>	10-35	
Operating voltage (VDC)	24V/14.5A	
Expected lifetime (hours)	>10000	



LASER HEAD (Driver Integrated)	POWER SUPPLY (100-240VAC)
 <p>402(L) x 212 (W) x 120.5 (H) mm<sup>3</sup>, 10 kg</p>	 <p>189.8 (L) x 99 (W) x 29.8 (H) mm<sup>3</sup>, 0.8 kg</p>

1 Other rep.rate range available on request.

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

3 Robust environmental adaptability with customizable wide-temperature.