

AO-T-532A/2W /1mJ



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

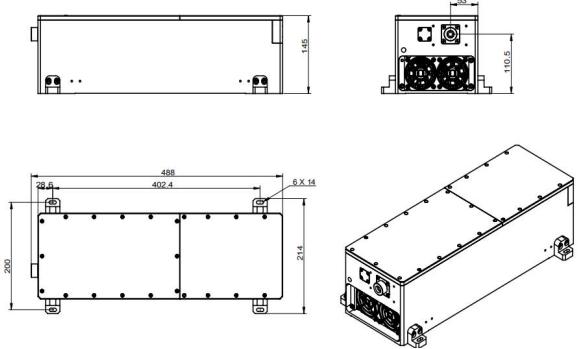
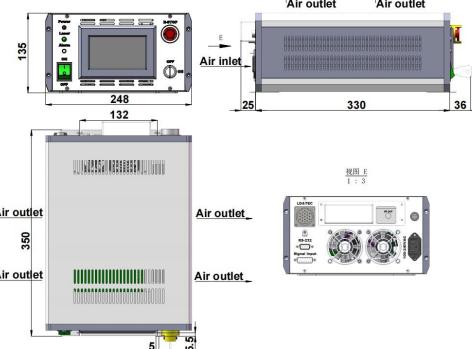
All solid state AOM Q-switched laser at 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in acrylic engraving applications.



SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Actively
Average power (W)	2@2kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (mJ)	>1@2kHz
Rep. rate (kHz) <sup>1</sup>	2~8
Pulse duration (ns) <sup>2</sup>	~23 @2kHz
Peak power (kW)	43@2kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%
M <sup>2</sup>	<1.2
Beam divergence, full angle (mrad)	<3.5
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~0.8
Transverse mode	TEM <sub>00</sub>
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	109.75
Warm-up time (minutes)	<10
Cooled method	Air cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-AOM
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY (PSU-AOM)
 <p>488 (L) ×190 (W) ×145 (H) mm<sup>3</sup>, 16.0kg</p>	 <p>391 (L) ×248 (W) ×135 (H) mm<sup>3</sup>, 6.0 kg</p>

1 Other rep.rate range available on request.

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