

AO-Mini-532-Water /1~100μJ



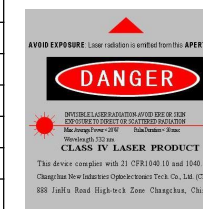
**LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER**

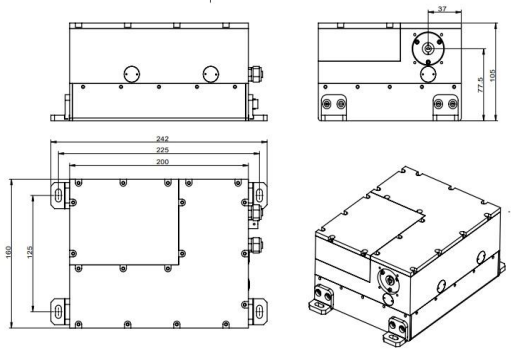
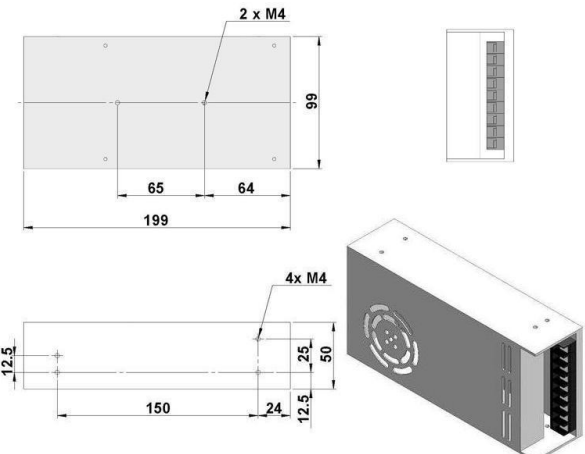

All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Rep. rate (kHz)	1~10	10~50
Single pulse energy (μJ)	~100	~20
Pulse duration (ns)	~7	
Peak power (kW)	~15	~3
Ave power stability (over 4 hours)	<5%, <3%, <1%	
Transverse mode	TEM <sub>00</sub>	
Spectral linewidth (pm)	<100	
M <sup>2</sup> factor	<1.2	
Beam divergence, full angle (mrad)	<2	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~1.0	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	77.5	
Cooled method	Water cooled	
Operating temperature (°C)	10~35	
Expected lifetime (hours)	10000	
Warranty period	1 year	



AO-Mini-532	Accessory (Power supply 100-240VAC)	Water Chiller (WHC-580)
 <p>242 (L) × 160 (W) × 105 (H) mm<sup>3</sup>, 5.4 kg</p>	 <p>12VDC 25A: 199 (L) × 99 (W) × 50 (H) mm<sup>3</sup>, 0.9 kg</p>	 <p>363.8 (L) × 253.2 (W) × 230.6 (H) mm<sup>3</sup>, 10.5 kg</p>