

# Opto Engine LLC

## Data sheet

Rev. 1609

AO-N-532 / 1~60 μJ / 1~500mW



### LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER AT 532 nm

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

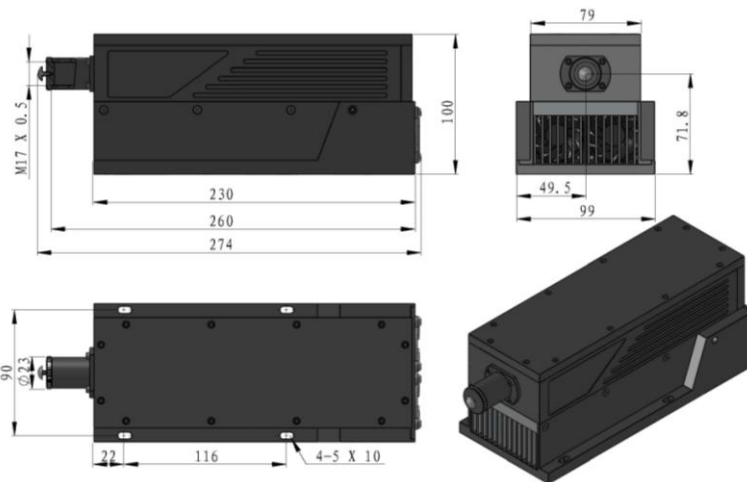


#### SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Acousto-Optics Q-switched
Average power (mW)	1~500mW (500mW@10kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~50 (60μJ @5kHz; 50μJ @10kHz)
Rep. rate (kHz)	1~50
Pulse duration (ns)	Typically ~10 @<10kHz, varies from power and repetition.
Peak power (kW)	1~5 (5kW@10kHz)
Ave power stability (over 4 hours)	<3%, <5%,
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~2.0
Beam height from base plate (mm)	71.8
Cooled method	Air cooled
Operating temperature (°C)	10~35
Power supply (220/110VAC)	PSU-AOM
Expected lifetime (hours)	10000
Warranty period	1 year

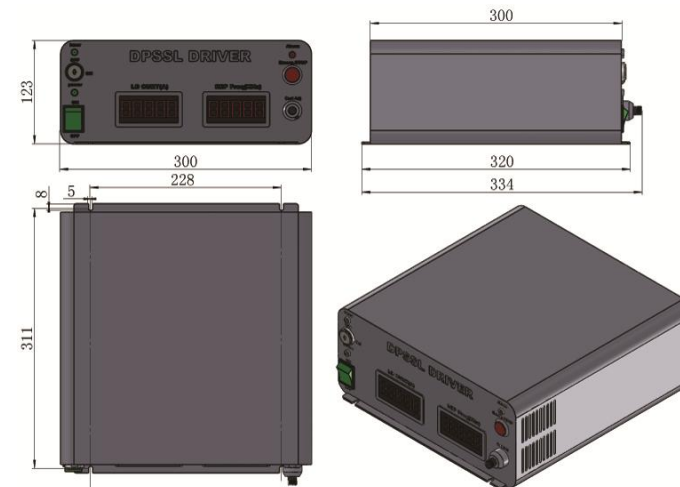


AO-N-532



274(L)×99(W) ×100(H) mm<sup>3</sup>, 3.3 kg

PSU-AOM



334(L) ×300(W) ×123 (H) mm<sup>3</sup>, 6.2 kg