

AO-V-532 / 1~300μJ/1~8W



### 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 in marking on materials that are hard, such as highly reflective metals: silver and gold; semiconductors: including silicon, gallium arsenide and germanium, and rubbers such as silicone.



### SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	1~8W (8W@25kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~300 (300μJ @ 25kHz; 160μJ @ 50kHz)
Rep. rate (kHz)	1~200
Pulse duration (ns)	Typically <15 @ 25kHz, varies from power and repetition.
Peak power (kW)	1~20 (20kW@25kHz)
Ave power stability (over 4 hours)	<1%, <2%, <3%, <5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2.0
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~1.0
Beam height from base plate (mm)	113
Polarization ratio	>100:1
Cooled method	Air cooled
Operating temperature (°C)	10~35
Power supply (220/110VAC)	PSU-AOM(3U)
Expected lifetime (hours)	10000
Warranty period	1 year



AO-V-532	PSU-AOM(3U)
<p style="text-align: center;">430 (L) × 142 (W) × 144 (H) mm<sup>3</sup>, 9.5 kg</p>	<p style="text-align: center;">483.5 (L) × 454 (W) × 147.5 (H) mm<sup>3</sup>, 8.3 kg</p>