



Your source for high quality, affordable lasers

DATA SHEET

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 used 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.



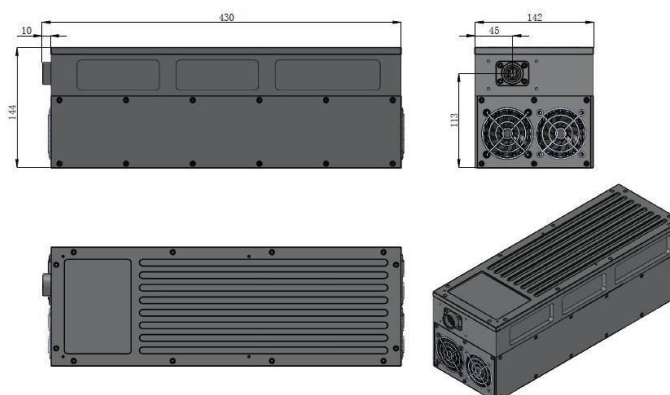
Model: AO-V-532/1~300μJ/5~8W

Wavelength (nm)	532 ± 1nm
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Average power (W)	~8W@25kHz
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	1~300 (300μJ@25kHz; 160μJ@50kHz)
Pulse duration (ns)	Typical <15@25kHz, varies from power and repetition.
Peak power (kW)	~10
Rep. rate (kHz)	1~200
Average power stability (over 4 hours)	<1%, <3%, <5%, optional
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	<2.0
Beam diameter at the aperture 1/e ² (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)	10,000
Warranty period	1 year

Laser Head Model: AO-V-532

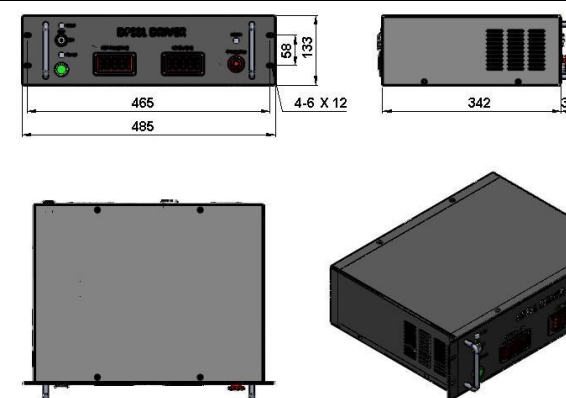


Laser Head Dimensions



430(L) × 142(W) × 114(H) mm³, 10.2kg

Driver PSU-AOM (3U)



485(L) × 381(W) × 133(H) mm³, 12.4kg