



Your source for high quality, affordable lasers

Model: AO-L-532/1~600µJ/1-3W

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 laser inner caver, laser marking, scientific research and so on.

Wavelength (nm)	532 ± 1nm
Operating mode	Q-switched: AOM (Acousto-Optic Modulation)
Average power (W)	1~3W (1W@2kHz; 3W@5kHz) Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (µJ)	1~600 (500µJ@2kHz; 600µJ@5kHz; 60µJ@50kHz)
Rep. rate (kHz)	0.001~200 (0.001-5K, used in laser inner carver)
Pulse duration (ns)	Typical 5~7@<10kHz, varies from power and repetition.
Peak power (KW)	1~100 (100kW@2kHz; 100kW@5kHz)
Average power stability (over 4 hours)	<1%, <2%, <3%, <5%
Warm-up time (minutes)	<10
Beam divergence, full angle (mrad)	~4.5
Beam diameter at the aperture (1/e ² , mm)	~1.0
Beam height from base plate (mm)	101
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-L-532	Laser Head Dimensions	PSU-AOM (3U)
	<p>261(L)×194(W)×127(H) mm³, 5.4 kg</p>	<p>483.5(L)×454(W)×147.5(H) mm³, 8.3 kg</p>