

AO-S-532 /1~100μJ/1~250mW

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 high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



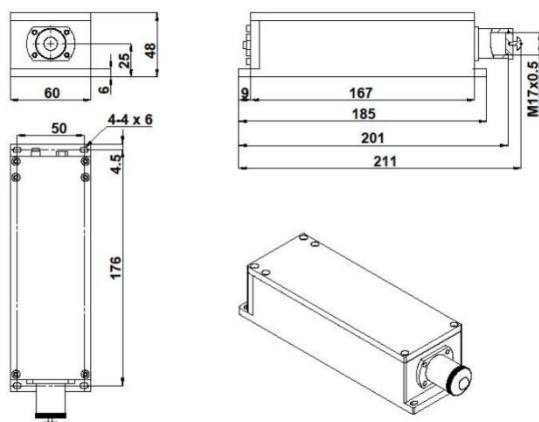
SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Acousto-Optic Q-switched
Max. average power (mW)	1~250 Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy(μJ)	1~100 (100μJ @1kHz; 50μJ @5kHz)
Rep. rate (kHz)	0.001~50
Pulse duration (ns)	Typically 5~10ns@<10kHz, varies from power and repetition.
Peak power (kW)	0.2~20
Ave power stability (over 4 hours)	<2%, <3%, <5%
Transverse mode	TEM ₀₀
M ² factor	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e ² , mm)	~1.2
Warm-up time (minutes)	<10
Polarization ratio	>100:1
Beam height from base plate (mm)	25
Operating temperature (°C)	10~35
Power supply (220/110VAC)	PSU-AOM-DL
Expected lifetime (hours)	10000
Warranty period	1 year



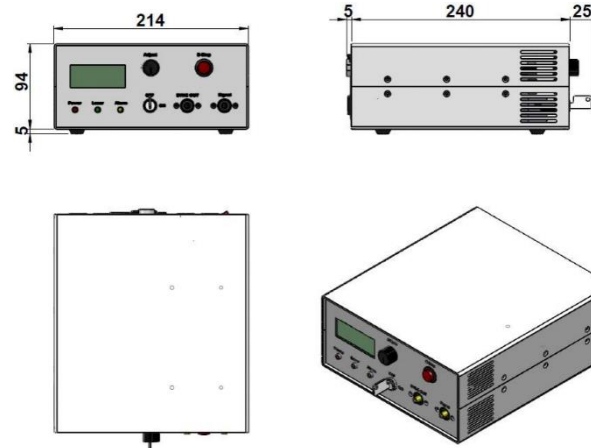
Note: The laser head needs to be used on a heat sink with good heat dissipation.

AO-S-532



211 (L) ×60 (W) ×48 (H) mm³, 1.05 kg

PSU-AOM-DL



270 (L) ×214 (W) ×99 (H) mm³, 3.2 kg