

AO-532B-LM/1-600μJ/1~3W



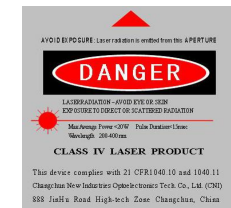
LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER

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.

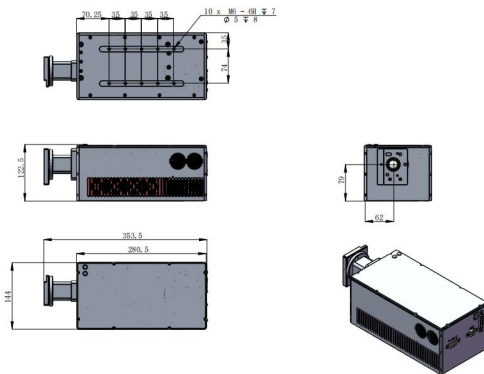


SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	3W@5kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>600μJ @5kHz
Rep. rate (kHz)	1~5
Pulse width (ns)	~10 @5kHz
Warm-up time (minutes)	<10
Transverse mode	TEM ₀₀
Beam Circularity (%)	>90
Beam divergence, full angle (mrad)	<0.2
Beam diameter at the aperture (1/e ² , mm)	8±1
Beam quality (M ²)	<1.2
Beam height from base plate (mm)	79
Polarization ratio and Direction	>100:1, Vertical
Cooling method	Air Cooled
Environment temperature (°C)	10~35
Supply Voltage	DC 12V(≥25A)
Dimension(mm ³)	353.5*144*122.5
Weight(Kg)	7.5kg

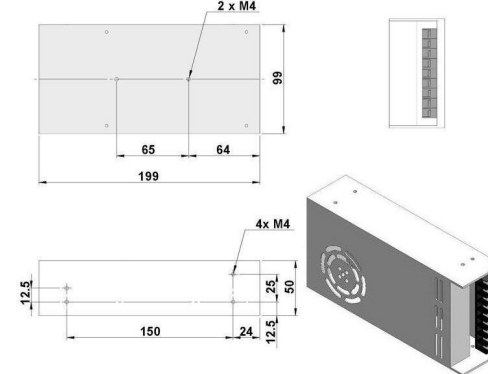


AO-532B-LM



353.5 (L) × 144 (W) × 122.5 (H) mm³, 7.5 kg

Power supply 100-240VAC (Optional)



12VDC 25A: 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg