

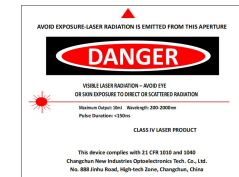
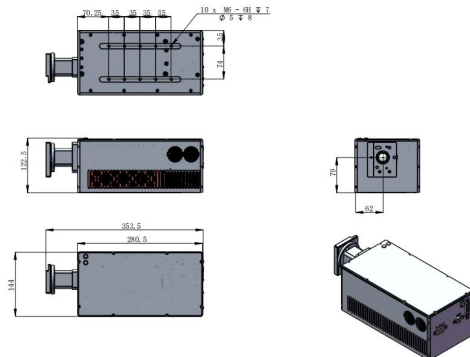
AO-532B-LM/3W/600uJ

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

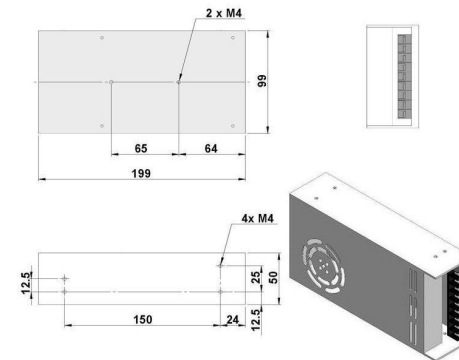
All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is in marking on materials that are hard, such as highly reflective metals: silver and gold. semiconductors: including silicon, gallium arsenide and germanium, and rubbers such as silicone.


SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Actively
Average power (W)	3@5kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (μJ)	>600 @5kHz
Rep. rate ¹	1-5kHz
Pulse duration (ns) ²	~10@5kHz
Peak power (kW)	~60@5kHz
Power stability (rms, 4 hours ± 3°C)	<2%, <1%
Transverse mode	TEM ₀₀
Beam Circularity (%)	>90
Beam divergence, full angle (mrad)	<0.2
Beam diameter at the aperture (mm)	~8
M ²	<1.2
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	79
Warm-up time (minutes)	<10
Cooling method	Air cooled
Environment temperature (°C)	10-35
Operating voltage (VDC)	12V/25A
Expected lifetime (hours)	>10000


LASER HEAD (Driver Integrated)


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

POWER SUPPLY (100-240VAC)


199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg

¹ Other rep.rate range available on request.

² Pulse width not tunable, the value varies

Website: www.precisometer.com E-mail: info@precisometer.com