

AO-532W-LM 40W



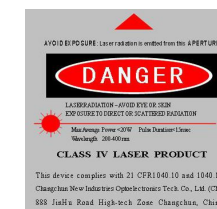
**LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER**

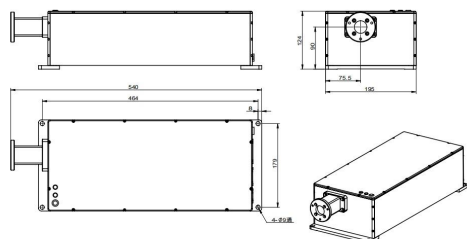
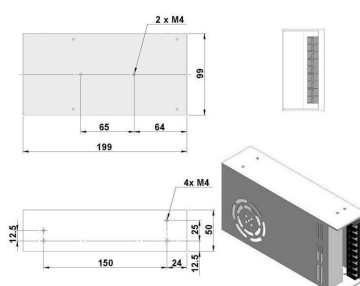

All solid state AOM Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is in marking on materials that are hard, such as highly reflective metals: silver and gold; semiconductors: including silicon, gallium arsenide and germanium, and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



SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	40W@60kHz
Single pulse energy (μJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Rep. rate (kHz)	>600μJ @60kHz
Pulse width (ns)	50~200
Warm-up time (minutes)	~13 @60kHz
Transverse mode	<10
Beam Circularity (%)	TEM <sub>00</sub>
Beam divergence, full angle (mrad)	>90
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	< 0.2 (10× beam expansion)
Beam quality (M <sup>2</sup> )	10±1 (10×)
Beam height from base plate (mm)	<1.2
Polarization ratio and Direction	90
Cooling method	>100:1, Vertical
Environment temperature (°C)	Water Cooled
Supply Voltage	10~35
Dimensions (mm <sup>3</sup> )	DC 36V (≥15A)
Weight (Kg)	540*195*124
	16.4



AO-532W-LM	Power supply 100-240VAC (Optional)	WCH-370 (Optional)
 <p>540 (L) × 195 (W) × 124 (H) mm<sup>3</sup>, 16.4 kg</p>	 <p>199 (L) × 99 (W) × 50 (H) mm<sup>3</sup>, 0.9 kg</p>	 <p>580 (L) × 290 (W) × 470 (H) mm<sup>3</sup>, 23 kg</p>