



AO-355W-LM 3W/5W/12W



LD PUMPED ALL-SOLID-STATE  
AOM Q-SWITCHED LASER at 355NM

All solid state AOM Q-switched laser at 355 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

Wavelength (nm)	355±1			
Operating mode	Acousto-Optic Q-switched			
Average power (W)	3W@5kHz	3W@30kHz	5W@30kHz	12W@50kHz
Single pulse energy (μJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)			
Rep. rate (kHz)	>1mJ@1kHz	>100@30kHz	>160@30kHz	>200@50kHz
Pulse width (ns)	1-10	10~200	10~200	50~200
Transverse mode	~12 @1kHz	~12 @30kHz	~15@30kHz	~11 @50kHz
Beam Circularity (%)	TEM <sub>00</sub>			
M <sup>2</sup> factor	>90			
Warm-up time (minutes)	<1.2			
Beam divergence, full angle (mrad)	<0.2(10×)	<0.2(10×)	<0.2(10×)	<0.13(10×)
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	8±1(10× beam expansion)			
Pilot light (nm)	650 (optional)			
Beam height from base plate (mm)	59.5			
Cooled method	Water Cooled			
Operating temperature (°C)	10~35			
Supply Voltage	DC 12V( ≥ 25A)	DC 12V( ≥ 25A)	DC 12V( ≥ 25A)	DC 24V( ≥ 13A)
Dimension (mm <sup>3</sup> )	460.85*180*95	460.85*180*95	460.85*180*95	467*185*95
Weight (Kg)	10	10	10	10.8



AO-355W-LM		Power supply 100-240VAC (Optional)	WCH-370 (Optional)
3W/5W	12W		
<p>460.85 (L) × 180 (W) × 95 (H) mm<sup>3</sup>, 10 kg</p>	<p>467 (L) × 185 (W) × 95 (H) mm<sup>3</sup>, 10.8 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>