

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

CLASS IV LASER PRODUCT

his device complies with 21 CFR1040.10 and 1040.1 hangehon New Industries Optoelectronics Tech. Co., 10d. (C7 88 JinHu Road High-tech Zone Changehun, Chin

AO-S-355/1~40µJ/1~100mW

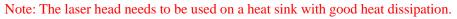


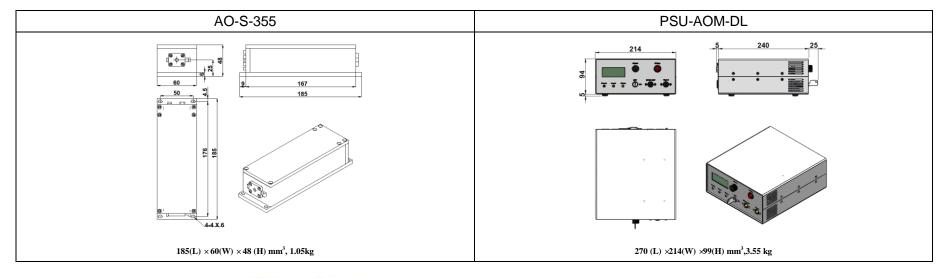
LD PUMPED ALL-SOLID-STATE ACOUSTO-OPTIC Q-SWITHED LASER AT 355 nm

All solid state acousto-optic Q-switched laser at 355 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in material processing, measure, scientific research and so on.



Wavelength (nm)	355±1	
Single pulse energy (µJ)	1~40 (40µJ @1kHz; 10µJ @5kHz)	
Rep. rate (kHz)	0.1~20	
Pulse duration	Typically 5~10ns @<10kHz, varies from power and repetition.	
Average power (mW)	Average power (mW)= Single pulse energy (µJ)* Rep. rate(kHz)	
Power Stability (rms,over 4 hours)	<3%,<5%,<10%	
Transverse mode	Near TEM ₀₀	
M ² factor	<1.5	
Beam Diameter at the aperture $1/e^2$ (mm)	~0.3	~1.2 (optional)
Beam divergence, full angle (mrad)	<5.0	<1.5 (optional)
Polarization ratio	>100:1 Horizontal ±5 degree	
Warm-up Time (minutes)	<10	
Beam height from base plate (mm)	25	
Operating temperature($^{\circ}$ C)	10~35	
Power supply (90-264VAC)	PSU-AOM-DL	
Expected lifetime (hours)	10000	
Warranty	1 year	





SPECIFICATIONS

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