

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

## EO-XS-355/1~50 µJ/1~2W

## SPECIFICATIONS

## LD PUMPED ALL-SOLID-STATE **EOM Q-SWITCHED LASER** AT 355 nm

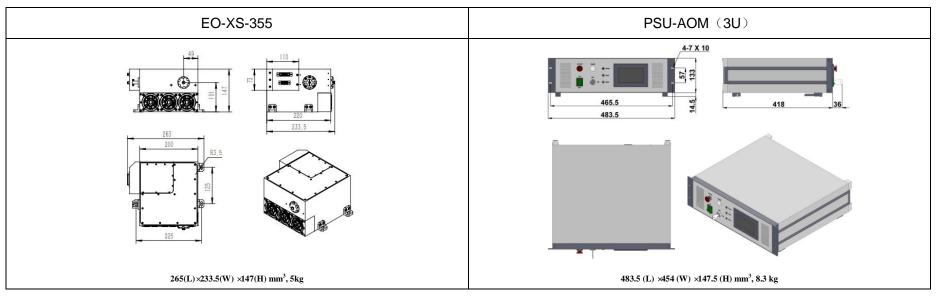
All solid state EOM Q-switched laser at 355 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



Wavelength (nm)	355±1	
Operating mode	Electro-optic Q-switched	
Average power (W)	1~2W (2W@40kHz)	
	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Single pulse energy (µJ)	1~50(50µJ @40kHz)	
Rep. rate (kHz)	1~100	
Pulse duration (ns)	~4@40kHz	
Peak power (kW)	1~12.5(12.5kW@40kHz)	
Ave power stability (over 4 hours)	<3%, <5%	
Warm-up time (minutes)	<10	
Beam divergence, full angle (mrad)	3	AVOID EXP
Beam diameter at the aperture (1/e2,mm)	~1.5	(
Beam height from base plate (mm)	101	subsc-
Cooled method	Air cooled	· · · ·
Operating temperature (°C)	10~35	This dev Changeha
Power supply (220/110VAC)	PSU-AOM(3U)	883 Jini
Expected lifetime (hours)	10000	
Warranty period	1 year	



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