

SPECIFICATIONS

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

MPL-W-266/5~30 µJ/50~600mW



LD PUMPED ALL-SOLID-STATE UV LASER

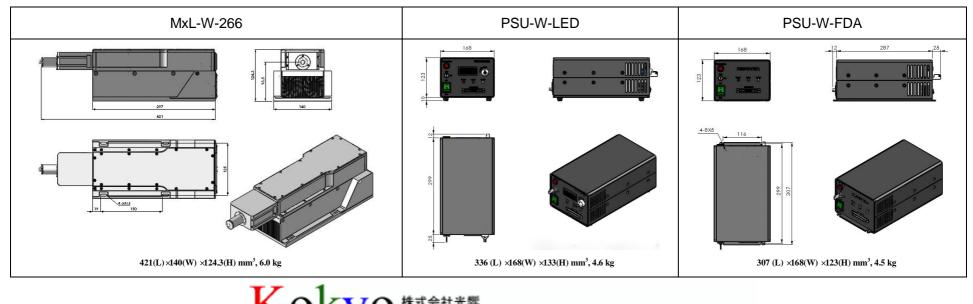
All solid state 266nm UV laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



Wavelength (nm)		266 ± 1	
Operating mode		Passively Q-switched	
Average power (mW)		50~600	
Single pulse energy (µJ)		5~30	
Pulse duration (ns)		~5	
Peak power (W)		~500	
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 1kHz-4kHz with stable pulse energy, pulse duration and pulse period.	
	EXT TRIG	1kHz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period.	
	QCW	QCW state with one rep. rate between 10kHz-20kHz.	
Ave power stability (over 4 hours)		<5%, <10%	
Transverse mode		Near TEM ₀₀	
Beam divergence, full angle (mrad)		<2.0	
Beam diameter at the aperture (1/e ² ,mm)		~4.0	
Warm-up time (minutes)		<10	
Beam height from base plate (mm)		93.5	
Operating temperature (°C)		10~35	
Power supply (90-264VAC)		PSU-W-LED	PSU-W-FDA
Expected lifetime (hours)		8000	
Warranty period		1 year	
Remarks		Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1064/532nm laser.	







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