Opto Engine LLC

Data sheet

Rev. 2102

MPL-W-355/25~80μJ/400~2000mW



LD PUMPED ALL-SOLID-STATE **UV LASER**

All solid state 355nm 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.







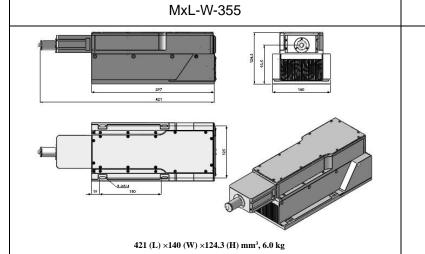


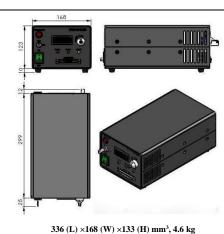
SPECIFICATIONS

Wavelength (nm)		355±1	
Operating mode		Passively Q-switched	
Average power (mW)		400~2000	
Single pulse energy (µJ)		25~80	
Pulse duration (ns)		~5	
Peak power (kW)		5~16	
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 15k-25kHz.	
Power stability		<3%, <5%	
Transverse mode		Near TEM ₀₀	
Beam divergence, full angle (mrad)		<2.0	
Beam diameter at the aperture (1/e ² , mm)		~2.0	
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.	









PSU-W-LED

