

355nm UV Pulsed Lasers



Specifications:

Model	SDL-355-QSL-XXXT	
Wavelength	355±1nm	
Ave Output Power	1~50mW	
Operating mode	Frequency conversion of Q-switched pulsed laser	
Peak power	~10W	
Single pulse energy	0.1~50μJ	
Pulse duration	~10ns	
Average power (mW)	Average power (mW) = Single pulse energy (uJ) * Rep. rate (kHz)	
Rep. rate (kHz)	Controllable	Specified One rep. rate, such as 1k, 2k, 3k, up to 4kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period).
	Uncontrollable	Different rep. rate in the range of 1Hz-4kHz can be obtained by input an external TTL signal. Undefined rep. rate among 5k-20kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
Ave power stability after warm-up	<1%, <3%, <5% (over 2/4/8 hours)	
Transverse mode	Near TEM00	
Warm-up time	<10 minutes	
Beam parameters	Elliptical (4:1), Beam spot ~2mm	
Dimensions of laser head	212 × 88 × 74mm	
Beam height from base plate	45mm	
Polarization ratio	>100:1	
Power supply (90~264VAC)	SDL-PS-500	
Operating Temperature	10℃~35℃	
Dimensions of power supply	238 × 146 × 102mm	
Expect life time	10000 hours	
Warranty time	1 year	