355nm Pulsed Lasers (1-80mW)

Specifications :

Model		**SDL-355-080Q**
Wavelength (nm)		355nm
Ave Output Power		1-80mW
Operating mode		Frequency conversion of Q-switched pulsed laser
Peak power (mW)		~10W
Single pulse energy		~0.1~20μJ
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).
		Different rep. rate in the range of 1Hz-4kHz can be obtained by input an external TTL signal.
	Uncontrollable	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		<15 minutes
Beam parameters		>60%,
Dimensions of laser head (mm)		212 × 88 × 74mm
Beam height from base		45mm
Beam Diameter		<2mm
Polarization ratio		>100:1
Power supply (110 or 220VAC)		SDL-PS-500
Operating Temperature		10℃～35℃
Dimensions of power supply		238 ×146 × 102mm
Expected Operating Lifetime		10000 hours
Warranty time		1 year