

1053nm Q-switched/Pulsed Laser



Specifications:

Model	SDL-1053-QSL-XXXT	
Wavelength(nm)	1053±1nm	
Single pulse energy	10~15μJ	30~50μJ
Operation Mode	Q-switched pulsed laser	
Pulse duration	~10ns	
Peak power	~1500W	3000~10000W
Transverse Mode	TEM00	Near TEM00
Average power	Average power (mW) = Single pulse energy (μJ) * 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	<1%,<3%,<5% (over 2/4/8 hours)	
Beam Divergence (1/e2, Full Angle)	< 1.5mrad	< 2mrad
Warm-up time	< 10 minutes	
Beam Diameter	~2.0mm	~3.0mm
Dimensions of laser head	142 × 73 × 46mm	156 × 77 × 60mm
Power supply	PS-300 (90~264VAC)	PS-500
Dimension of Power supply	133 × 130 × 62mm	238 × 146 × 102mm
Operating temperature	15-35℃	
Beam height from base plate	24.8mm	29mm
Expect life time	10000 hours	
Warranty time	1 year	