

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

EL-532/50~125μJ/150~1500mW



LD PUMPED ALL-SOLID-STATE Q-SWITCHEDLASER

All solid state Q-switched laser at 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry, such as marking on highly reflective metals, semiconductors, carbide, rubbers, ceramics and composites.









SPECIFICATIONS

Wavelength (nm)		532±1	
Operating mode		Passively Q-switched	
Average power (mW)		150~1500	
Single pulse energy (µJ)		50~125	
Pulse duration (ns)		~2	~5
Peak power (kW)		75	30
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 1kHz-10kHz with stable pulse energy, pulse duration and pulse period.	
	EXT TRIG	lkHz-10kHz by external trigger with stable pulse energy, pulse duration and pulse period.	
	QCW	QCW state with one rep. rate between 1kHz-15kHz.	
Power stability (over 4 hours)		<5%, <3%	
Transverse mode		Near TEM ₀₀	
M ² factor		<1.5	
Beam divergence, full angle (mrad)		<2	
Beam diameter at the aperture (1/e², mm)		~1.5	
Warm-up time (minutes)		<10	
Beam height from base plate (mm)		68.4	
Operating temperature (°C)		10~35	
Power supply (90-264VAC)		PSU-N-LED	PSU-N-FDA





