

MPL-SU-1064/20~200uJ/1~2000mW

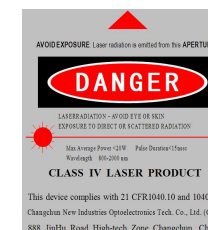
### LD PUMPED ALL-SOLID-STATE Q-switched LASER

All solid state Q-switched laser at 1064nm has the features of high peak power and short pulse duration, which is widely used in scientific research, laser micromaching, laser radar ranging, environment monitoring, laser ultrasonic monitoring and LIBS (Laser Induced Breakdown Spectroscopy) etc.

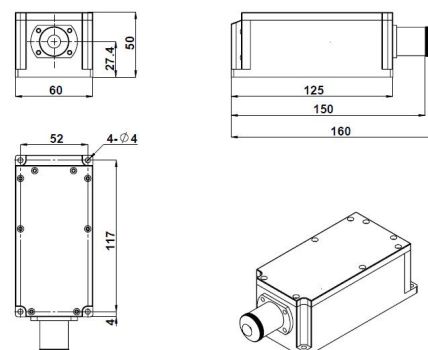
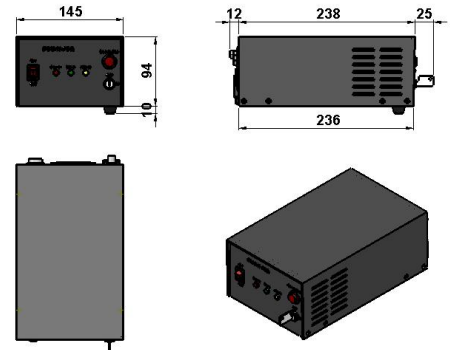


#### SPECIFICATIONS

Wavelength (nm)		1064±1		
Operating mode		Q-switched pulsed laser		
Single pulse energy (μJ)		20~50	50~100	35~200
Pulse duration (ns)		~1.5	~1.8	~5
Peak power (W)		13000~33000	27000~55000	7000~40000
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal at 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 5kHz-15kHz.		
Average power (mW)		Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)		
Ave power stability (over 4 hours)		<3%, <5%, <10%		
Transverse mode		TEM <sub>00</sub>		
Warm-up time (minutes)		<10		
M <sup>2</sup> factor		<2.0		
Beam divergence, full angle (mrad)		<1.5		
Beam diameter at the aperture (mm)		~1.2		
Beam height from base plate (mm)		27.4		
Operating temperature (°C)		10~35		
Power supply (90-264VAC)		PSU-H-FDA		
Expected lifetime (hours)		10000		
Warranty		1 year		



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MPL-SU-1064	PSU-H-FDA
 <p>160(L)×60(W)×50(H) mm<sup>3</sup>,0.9kg</p>	 <p>275(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p>