

MPL-T-1064/1~35uJ/1~350mW

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.

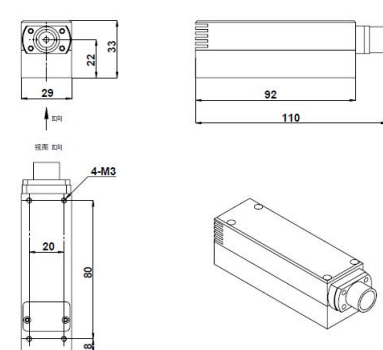
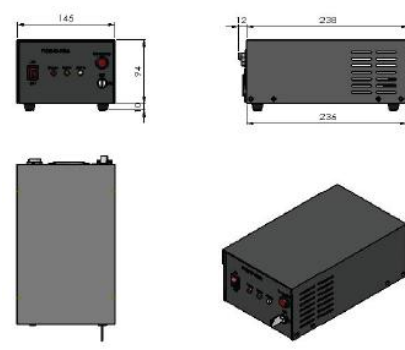
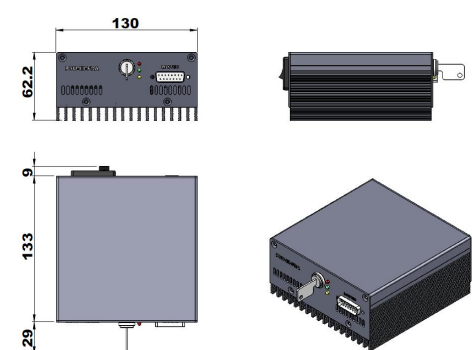


SPECIFICATIONS

Wavelength (nm)		1064±1		
Operating mode		Q-switched pulsed laser		
Max average power (mW)		~8mW	~6mW	~200mW
Single pulse energy (μJ)		1~8	1~10	1~20
Pulse duration (ns)		~0.5		~1.5
Peak power (kW)		2~16	2~20	0.6~13
Rep. rate (kHz)	FIXED	0.7~1kHz	0.1~0.6kHz	Setting up one fixed rep. rate internal between 1Hz-4kHz with stable pulse energy, pulse duration and pulse period.
	EXT TRIG	/		
	QCW	/		QCW state with one rep. rate between 5k-20kHz.
Ave power stability (over 4 hours)		<1%, <3%, <5%		
Transverse mode		TEM ₀₀		
Warm-up time (minutes)		<10		
M ² factor		<1.5		
Beam divergence, full angle (mrad)		<1.5		
Beam diameter at the aperture (mm)		~1.2		
Beam height from base plate (mm)		22		
Operating temperature (°C)		0~35		
Power supply (90-264VAC)		PSU-H-FDA/PSU-III-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-T-1064	PSU-H-FDA	PSU-III-FDA
 <p>110(L)×29(W)×33(H) mm³, 0.34kg</p>	 <p>275(L)×145(W)×104(H) mm³, 2.3 kg</p>	 <p>171(L)×130(W)×62.2(H) mm³, 1.2 kg</p>