

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

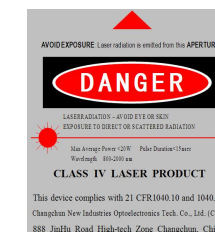
LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

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.

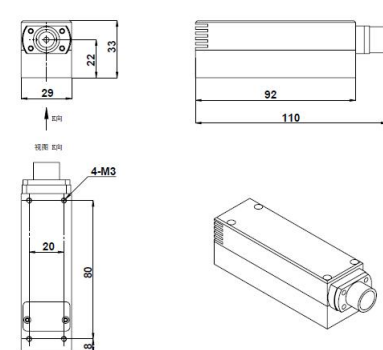
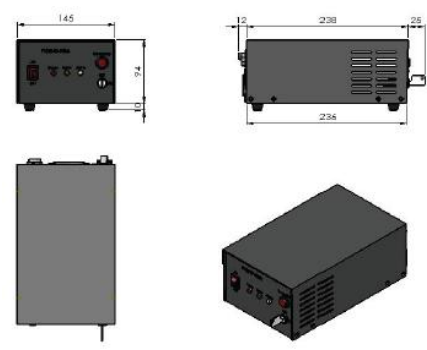
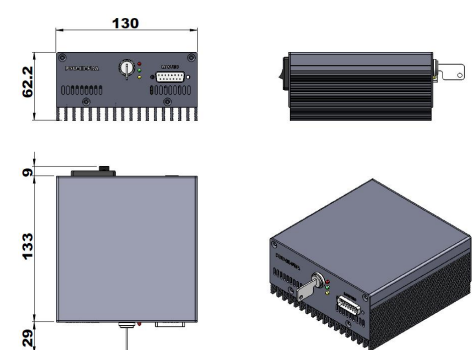


SPECIFICATIONS

Wavelength (nm)		1064±1			
Operating mode		Q-switched pulsed laser			
Max average power (mW)		~8mW	~6mW	~200mW	~350mW
Single pulse energy (μJ)		1~8	1~10	1~20	1~35
Pulse duration (ns)		~0.5		~1.5	3~5
Peak power (kW)		2~16	2~20	0.6~13	0.2~11
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	/		1Hz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period.	
	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>