

MPL-T-532/1~10uJ/1~180mW

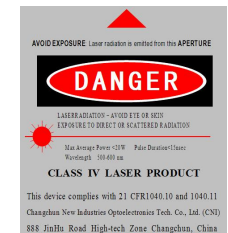
### LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER AT 532 nm

All solid state Q-switched laser at 532 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry, scientific research, laser radar ranging and marking, etc.

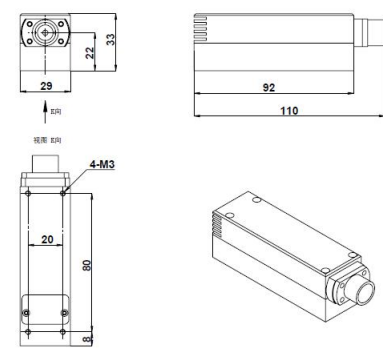
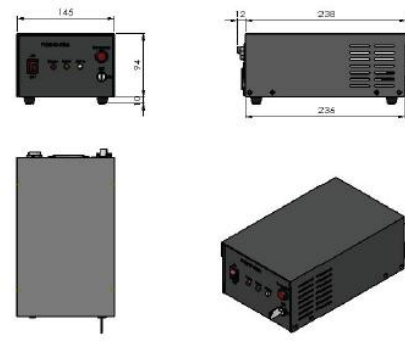
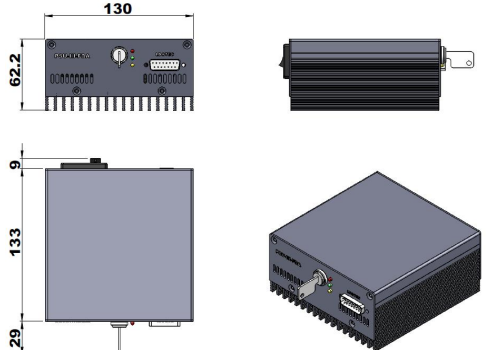


#### SPECIFICATIONS

Wavelength (nm)		532±1		
Operating mode		Q-switched pulsed laser		
Max average power (mW)		~3mW	~3mW	~180mW
Single pulse energy (μJ)		1~3	1~5	1~10
Pulse duration (ns)		~0.5		3~5
Peak power (kW)		2~6	2~10	0.2~3
Rep. rate (kHz)	FIXED	0.7k~1kHz	0.1k~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-15kHz.
Ave power stability (over 4 hours)		<1%, <3%, <5%		
Transverse mode		TEM <sub>00</sub>		
Warm-up time (minutes)		<10		
M <sup>2</sup> 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- 532	PSU-H-FDA	PSU-III-FDA
 <p>110(L)×29(W) ×33(H) mm<sup>3</sup>, 0.34kg</p>	 <p>275(L)×145(W) ×104 (H) mm<sup>3</sup>, 2.3 kg</p>	 <p>171 (L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2 kg</p>