**Opto Engine LLC** 

## MPL-III-523.5/1~10uJ/1-50mW



## LD PUMPED ALL-SOLID-STATE Q-SWITCHEDLASER AT 523.5

All solid state Q-switched laser at 523.5 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in medical, scientific research, industry, etc.

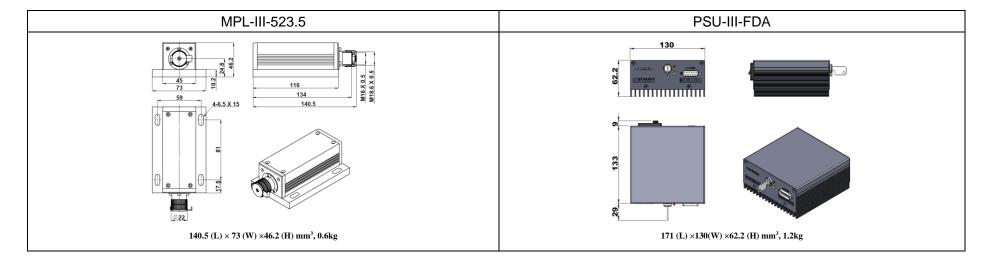


## SPECIFICATIONS

Central wavelength (nm)		523.5±1
Operating mode		Frequency conversion of Q-switched pulsed laser
Single pulse energy (µJ)		1~10
Pulse duration (ns)		~15
Peak power (W)		70~700
Rep. rate (kHz)	FIXED	Setting up one fixed rep. rate internal between 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 4kHz-5kHz.
Average power (mW)		Average power (mW) = Single pulse energy ( $\mu$ J) * Rep. rate (kHz)
Ave power stability (over 4 hours)		<3%, <5%,
Transverse mode		TEM <sub>00</sub>
Warm-up time (minutes)		<10
M <sup>2</sup> factor		<1.2
Beam divergence, full angle (mrad)		<1.5
Beam diameter at 1/e <sup>2</sup> (mm)		~1.2
Beam height from base plate (mm)		24.8
Operating temperature (°C)		10~35
Power supply (90-264VAC)		PSU-III-FDA
Expected lifetime (hours)		10000
Warranty period		1 year







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## **Data sheet**

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