

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

EO-S-532/1~70μJ/1~70mW

LD PUMPED ALL-SOLID-STATE **ELECTRO-OPTIC Q-SWITCHED** LASER AT 532 nm

All solid state electro-optic Q-switched laser at 532 nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in laser distance measuring, laser Radar, laser Raman, ICP-MS, LIBS, scientific research and so on.











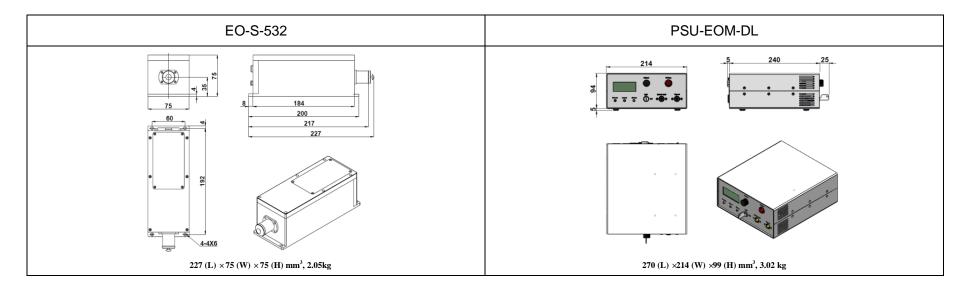
SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Electro-optics Q-switched
Single pulse energy (µJ)	1~70 (70μJ @1kHz; 10μJ @100Hz)
Pulse duration (ns)	~6
Rep. rate (Hz)	1~1000
Pulse Jitter *(Sdev) @1kHz	<1ns
Average power (mW)	Average power (mW)= Single pulse energy (µJ) * Rep. rate (kHz)
Power Stability (rms,over 4 hours)	<1%, <2%, <3%, <5%
Beam Diameter at the aperture 1/e ² (mm)	~1.3
Beam divergence, full angle (mrad)	<1.5
Warm-up Time (minutes)	<10
Beam height from base plate (mm)	35
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-EOM-DL
Expected lifetime (hours)	10000
Warranty	1 year





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



^{*}Precision of digital oscilloscope: bandwidth 1GHz; sample rate: 10GS/s.