



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<br>(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 <sup>2</sup> (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   |



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

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

| EO-S-532  | PSU-EOM-DL  |
|---|---|
| <p>227 (L) × 75 (W) × 75 (H) mm<sup>3</sup>, 2.05kg</p> | <p>270 (L) × 214 (W) × 99 (H) mm<sup>3</sup>, 3.02 kg</p> |