



EO-S-xxx-L series

LD PUMPED ALL-SOLID-STATE ELECTRO-OPTIC Q-SWITCHED LASER

All solid state electro-optic Q-switched laser 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.



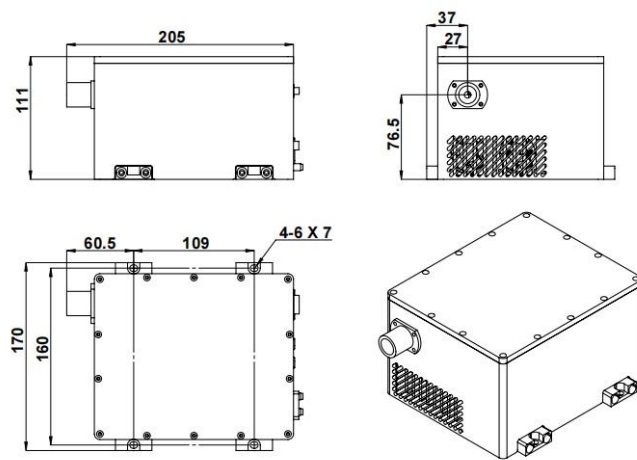
SPECIFICATIONS

|                                                     |                           |        |
|-----------------------------------------------------|---------------------------|--------|
| Wavelength (nm)                                     | 532±1                     | 1064±1 |
| Operating mode                                      | Electro-optics Q-switched |        |
| Rep. rate (kHz)                                     | 0.01-1                    |        |
| Max average power (mW) <sup>(1)</sup>               | 1-50                      | 1-100  |
| Single pulse energy (μJ)                            | 1-50                      | 1-100  |
| Pulse duration (ns)                                 | ~5                        |        |
| Jitter(ns)                                          | <1                        |        |
| Peak power(kW)                                      | 0.2-10                    | 0.2-20 |
| Power Stability (rms,over 4 hours)                  | <3%,<2%,<1%               |        |
| Transverse mode                                     | TEM <sub>00</sub>         |        |
| M <sup>2</sup> factor                               | <1.5                      |        |
| Beam Diameter at the aperture 1/e <sup>2</sup> (mm) | ~1.5                      |        |
| Warm-up Time (minutes)                              | <10                       |        |
| Beam height from base plate (mm)                    | 76.5                      |        |
| Operating temperature (°C)                          | 10~35                     |        |
| Power supply (90-264VAC)                            | PSU-EOM-L                 |        |
| Expected lifetime (hours)                           | 10000                     |        |
| Warranty                                            | 1 year                    |        |

(1) Average power (mW)= Single pulse energy (μJ)\* Rep. rate(kHz)

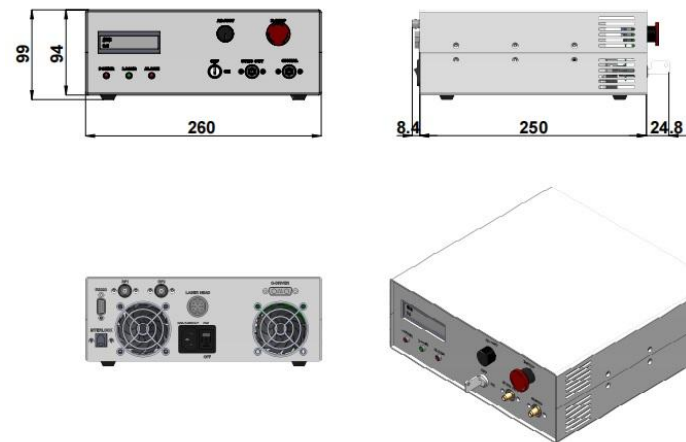
(2) Jitter(ns):from external trigger input

### LASER HEAD



205 (L) × 170 (W) × 111 (H) mm<sup>3</sup>, 3.8kg

### POWER SUPPLY



283.2 (L) × 260 (W) × 99 (H) mm<sup>3</sup>, 3.6kg