

MPL-N-1064/150~200μJ/1.5~3W



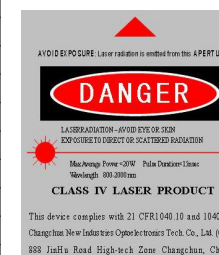
LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

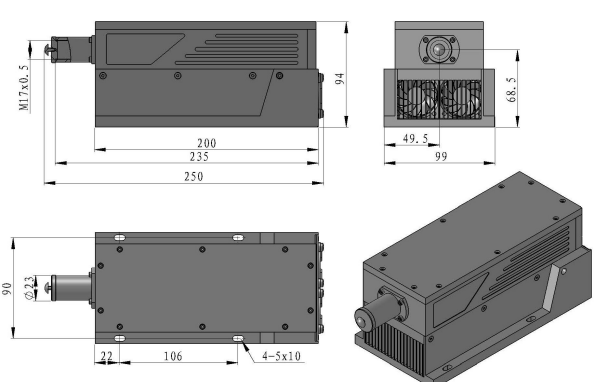
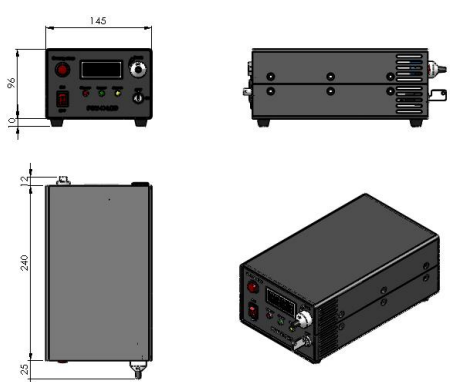
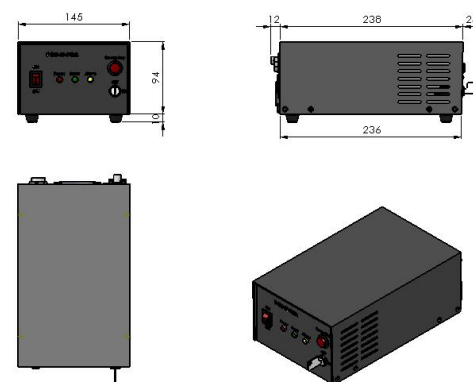
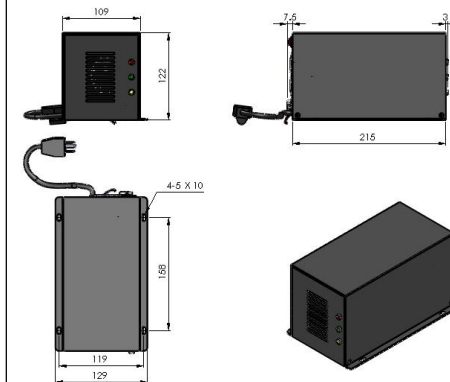
Q-switched DPSS laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser marking on the diamond, metal, Steel, IC, Plastics, package, Logo, scientific research and etc.



SPECIFICATIONS

| | | |
|---|----------|---|
| Wavelength (nm) | | 1064±1 |
| Operating mode | | Passively Q-switched |
| Average power (W) | | 1.5~3 |
| Single pulse energy (μJ) | | 150~200 |
| Pulse duration (ns) | | <2 |
| Peak power (kW) | | ~100 |
| Rep. rate (kHz) | FIXED | Setting up one fixed rep. rate internal between 1kHz-10kHz with stable pulse energy, pulse duration and pulse period. |
| | EXT TRIG | 1kHz-10kHz by external trigger with stable pulse energy, pulse duration and pulse period. |
| | QCW | QCW state with one rep. rate between 1kHz-15kHz. |
| Power stability (over 4 hours) | | <1%, <2%, <3%, <5% |
| Transverse mode | | TEM ₀₀ |
| M ² factor | | <1.2 |
| Beam divergence, full angle (mrad) | | <1.5 |
| Beam diameter at the aperture (1/e ² , mm) | | ~2.0 |
| Warm-up time (minutes) | | <10 |
| Beam height from base plate (mm) | | 68.5 |
| Operating temperature (°C) | | 10~35 |
| Power supply (90-264VAC) | | PSU-H-LED |
| Expected lifetime (hours) | | 10000 |
| Warranty period | | 1 year |
| Pilot light (optional) | | <5mW@650nm |



| MPL-N-1064 | PSU-H-LED | PSU-H-FDA | PSU-N-OEM |
|--|---|--|--|
|  <p>250 (L) × 99 (W) × 94 (H) mm³, 2.6 kg</p> |  <p>277 (L) × 145 (W) × 106 (H) mm³, 2.6 kg</p> |  <p>275 (L) × 145 (W) × 104 (H) mm³, 2.3 kg</p> |  <p>215 (L) × 129 (W) × 122 (H) mm³, 2.1 kg</p> |