

EO-266-G/4-100uJ

HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 266nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.

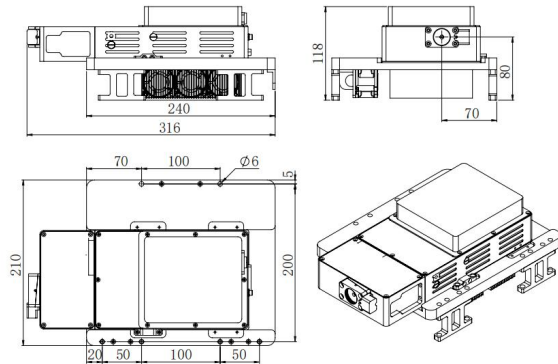


SPECIFICATIONS

| | | | |
|---|----------------------------|-------------|-----------|
| Wavelength (nm) | 266±1 | | |
| Operating mode | Actively | | |
| Single pulse energy (uJ) ¹ | 10-100@1kHz | 10-100@5kHz | 4@25kHz |
| Pulse duration (ns) | <9@1kHz | <9@5kHz | <13@25kHz |
| Rep. rate ² | 1Hz-1kHz | 1-7kHz | 1-25kHz |
| Power stability (rms, 4 hours ±3°C) | <5%, <3% | | |
| Pointing stability over temperature (urad/°C) | <20 | | |
| Beam divergence, full angle (mrad) | <3 | | |
| Beam diameter (mm) | ~1 | | |
| Beam height from base plate (mm) ³ | 80, 56 | | |
| Warm-up time (minutes) | <15 | | |
| Cooled method ⁴ | Air cooled or water cooled | | |
| Operating temperature (°C) | 15-30 | | |
| Power supply (24VDC) | PSU-EO-G (24V/13A) | | |

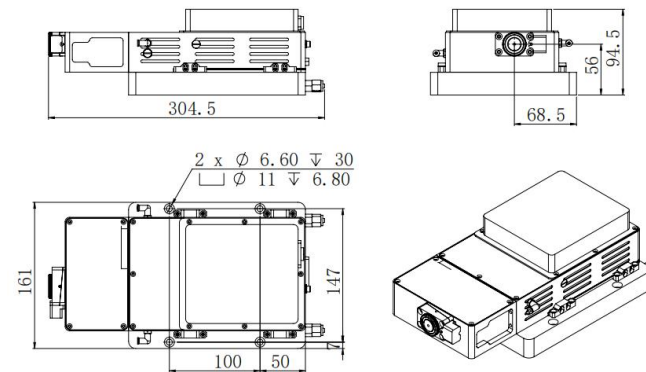


LASER HEAD (EO-266-G-I)⁵



316(L)×210(W)×118(H)mm³, 6kg

LASER HEAD (EO-266-G-II)⁶



304.5(L)×161(W)×94.5(H)mm³, 5.4kg

| DRIVER (PSU-EO-G) | POWER SUPPLY (100-240VAC) optional | WATER CHILLER (WCH-1500) |
|---|---|---|
| <p>366(L)×264(W)×102 (H)mm³, 6.5kg</p> | <p>580(L)×290(W)×470(H) mm³, 0.95 kg</p> | <p>580(L)×290(W)×470(H) mm³, 24 kg</p> |

- 1 The energy varies with different frequency; Higher energy can be customized.
- 2 Higher frequency can be customized.
- 3 Beam height from base plate is 80mm at air cooled, 56mm at water cooled.
- 4 Air cooled (all power); Water cooled (all power).
- 5 Air cooled.
- 6 Water cooled.