**AO-V-1047**/1-3W

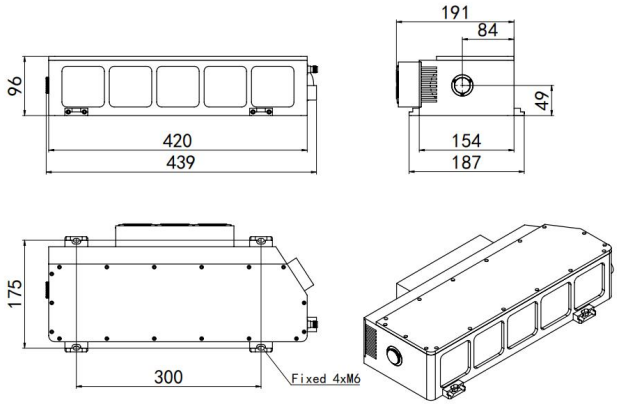
# LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER AT 1047 nm

CNI's All solid state AOM Q-switched laser at 1047 nm has the features of high peak power, and short pulse duration, which is widely used in marking, carving, measure, research and so on.

**SPECIFICATIONS**

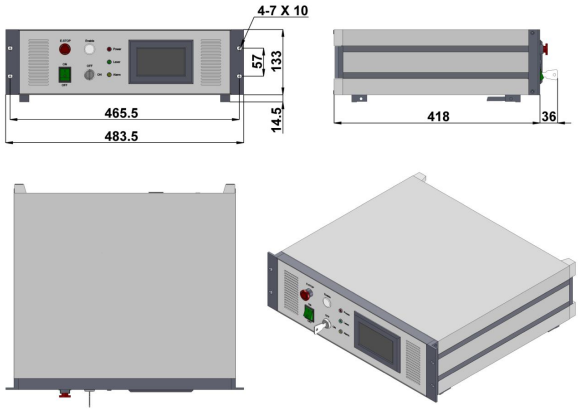
| | |
|---|---|
| Wavelength (nm) | 1047±1 |
| Operating mode | Actively |
| Average power (W) [1] | 1-3@3kHz |
| Single pulse energy (μJ) | 1-2000 |
| Rep. rate (kHz) | 1-10 |
| Pulse duration (ns) | ~10 @3kHz |
| Peak power (kW) | 1-250 |
| Ave power stability (rms, 4 hours±3℃) | <5%, <3% |
| Warm-up time (minutes) | <10 |
| Beam divergence, full angle (mrad) | <2 |
| Beam diameter at the aperture (1/e²,mm) | ~2.0 |
| Beam height from base plate (mm) | 49 |
| Cooled method | Air cooled |
| Operating temperature (℃) | 10-35 |
| Power supply (100-240VAC) | PSU-AOM (3U) |
| Expected lifetime (hours) | >10000 |

## LASER HEAD




**439(L) ×191 (W) ×96 (H) mm³, 10 kg**

## POWER SUPPLY




**483.5 (L) ×454 (W) ×147.5 (H) mm³, 8.3 kg**

1 One fixed value between 1-3W.