



MIL-Z-1064/30-60W

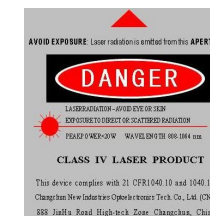
## LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1064 nm

All solid state infrared laser at 1064 nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.

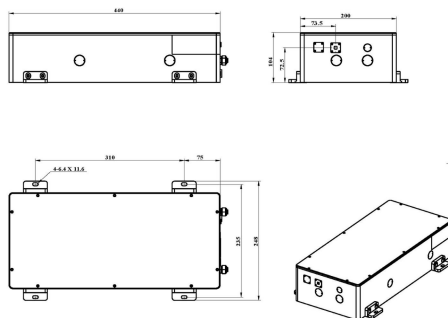


### SPECIFICATIONS

|                                                                |                                                       |
|----------------------------------------------------------------|-------------------------------------------------------|
| Wavelength (nm)                                                | 1064±1                                                |
| Operating mode                                                 | CW                                                    |
| Output power (W) <sup>1</sup>                                  | 30-60                                                 |
| Power Stability (rms, 4 hours ± 3°C)                           | <3%, <2%, (<1% optional)                              |
| Transverse mode                                                | TEM <sub>00</sub>                                     |
| M <sup>2</sup>                                                 | <1.3                                                  |
| Beam divergence, full angle (mrad)                             | ~1                                                    |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm)          | ~2                                                    |
| Warm-up time (minutes)                                         | <10                                                   |
| Pointing Stability(urad) (over 2 hours after warm-up and ±3°C) | <50                                                   |
| Pointing Stability Over Temperature (urad/°C)                  | <20                                                   |
| Polarization ratio                                             | >50:1(100:1 optional) , Horizontal(Vertical optional) |
| Beam height from base plate (mm)                               | 72.5                                                  |
| Cooled method                                                  | Water cooled                                          |
| Operating temperature (°C)                                     | 10-35                                                 |
| Power supply (36VDC)                                           | DRIVER (36V/13.8A)                                    |
| Expected lifetime (hours)                                      | >10000                                                |

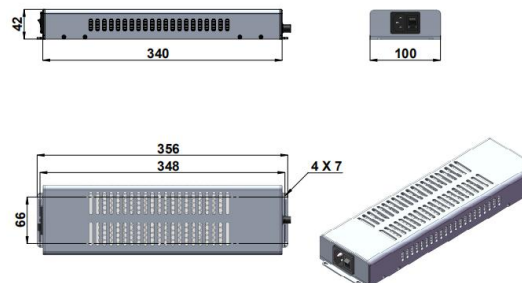


### LASER HEAD



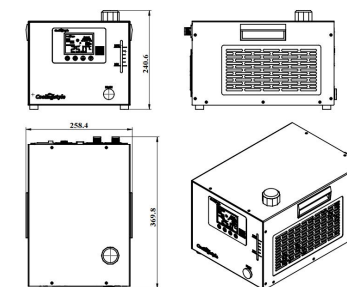
440(L) × 248 (W) × 104(H) mm<sup>3</sup>

### POWER SUPPLY ( 100-240VAC)



340 (L) × 100 (W) × 42 (H) mm<sup>3</sup>, 2.2 kg

### WATER CHILLER (WCH-580)



363.8 (L) × 253.2 (W) × 230.6 (H) mm<sup>3</sup>, 10.5 kg

1 Any power level can be selected in this range.