



MIL-T-1064-SM

SM FIBER OUTPUT LASER

CNI has a long experience in the delivery of fiber coupled laser light sources providing high efficiency and long term stability. All laser types can be offered with appropriate fiber coupling systems. This type is specifically designed for single-mode fiber(include PM) coupling with high power stability and long term stability.

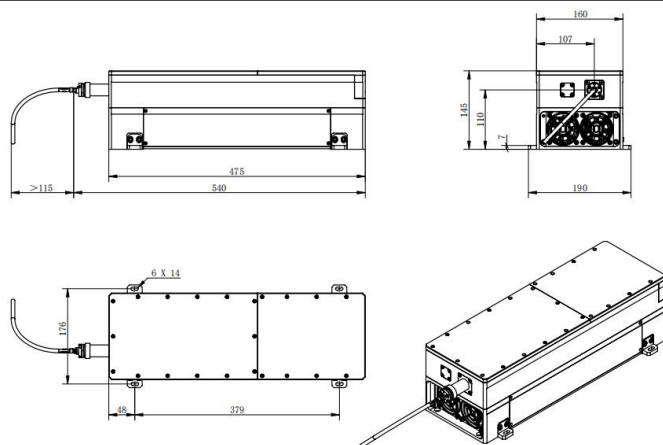


SPECIFICATIONS

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| Part number                         | MIL-T-1064-SM                                             |
| Wavelength (nm)                     | 1064±1                                                    |
| Operating mode                      | CW                                                        |
| Output power (W)                    | 1-5                                                       |
| Power stability (rms, over 4 hours) | 3%, <2%, <1%(optional)                                    |
| Transverse mode                     | TEM <sub>00</sub> (single mode fiber output)              |
| M <sup>2</sup>                      | <1.1                                                      |
| Fiber numerical aperture            | 0.10-0.12                                                 |
| Polarization ratio (optional)       | >50:1 after PM fiber                                      |
| Fiber type                          | SM fiber (PM fiber optional)                              |
| Fiber connector                     | FCAPC                                                     |
| Fiber jacket                        | PVC                                                       |
| Fiber length                        | 1m (Other lengths can be customized)                      |
| Warm-up time (minutes)              | <10                                                       |
| Cooled method                       | Air Cooled                                                |
| Operating temperature (°C)          | 10-30                                                     |
| Power supply (100-240VAC)           | PSU-W-LED/ PSU-W-FDA                                      |
| Modulation optional                 | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz; TTL and Analog optional |
| Expected lifetime (hours)           | >10000                                                    |

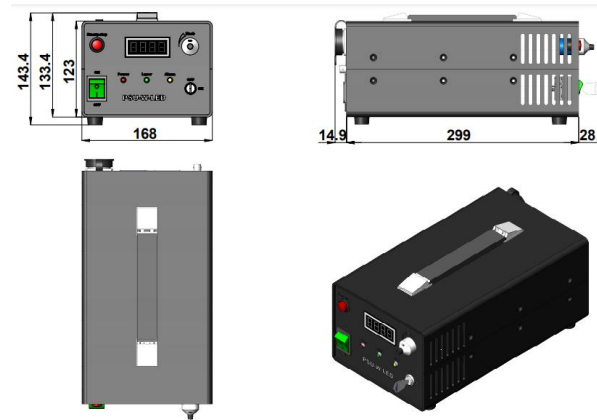


### LASER HEAD



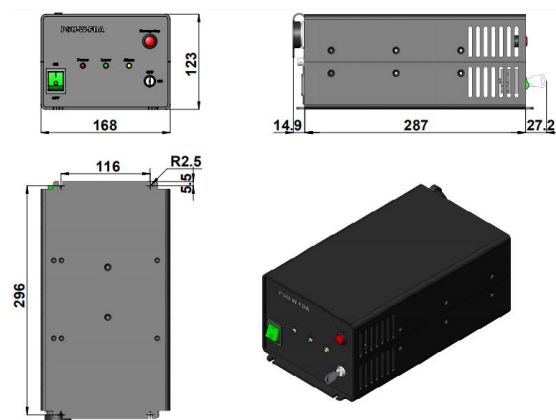
540 (L) × 190 (W) × 145 (H) mm<sup>3</sup>

### POWER SUPPLY (PSU-W-LED)



342.1 (L) × 168 (W) × 143.4 (H) mm<sup>3</sup>, 4.2 kg

### POWER SUPPLY (PSU-W-FDA)



329.1 (L) × 168 (W) × 123 (H) mm<sup>3</sup>, 4.1 kg