

## MLL-W-457/3~10W



### LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 457nm low noise laser is made features of ultra compact, long lifetime and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, laser printing, interference, holography, laser printing, chip inspection, physics experiment, etc.

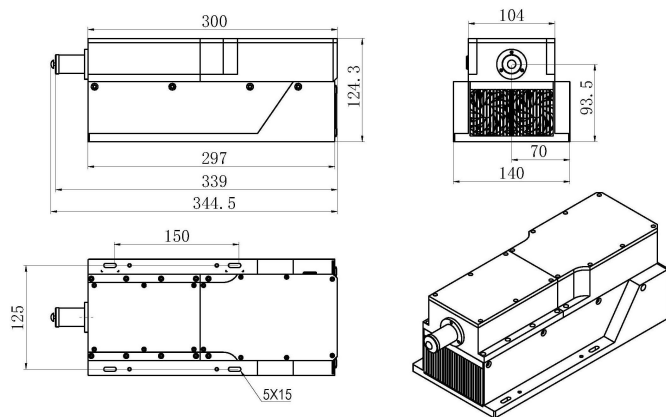


#### SPECIFICATIONS

|   |  |           |
|---|--|-----------|
| Wavelength (nm)                                       | 457±1  |           |
| Operating mode  | CW   |           |
| Output power (W)                                      | >3, 3.5, 4, ..., 10  |           |
| Power stability (rms, over 4 hours)                   | <3%, <5%   |           |
| Transverse mode                                       | Near TEM <sub>01</sub>                                       |           |
| Noise of amplitude (rms, 1~20MHz)                     | <3%  |           |
| M <sup>2</sup> factor                                 | 3~6  |           |
| Beam divergence, full angle (mrad)                    | <2.0   |           |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~4.0   |           |
| Warm-up time (minutes)                                | <10  |           |
| Polarization ratio                                    | >100:1   |           |
| Beam height from base plate (mm)                      | 93.5   |           |
| Operating temperature (°C)                            | 10~35  |           |
| Power supply (90-264VAC)                              | PSU-W-LED  | PSU-W-FDA |
| TTL / Analog modulation                               | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional |           |
| Expected lifetime (hours)                             | 10000  |           |
| Warranty period                                       | 1 year   |           |

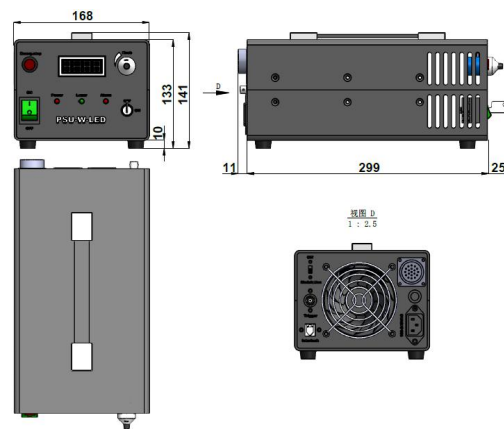


#### MLL-W-457



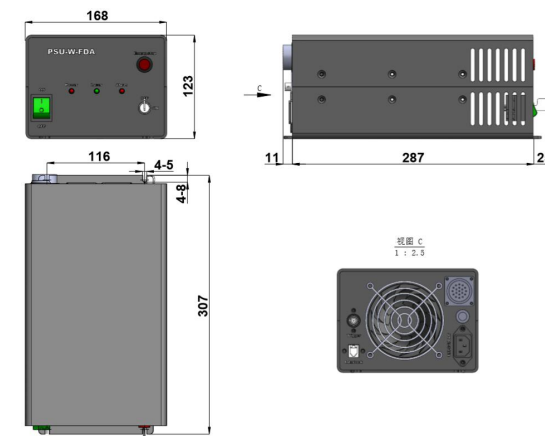
344.5 (L) × 140 (W) × 124.3 (H) mm<sup>3</sup>, 5.7 kg

#### PSU-W-LED



335 (L) × 168 (W) × 133 (H) mm<sup>3</sup>, 4.2 kg

#### PSU-W-FDA



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