

OEM-W-457/3~10W



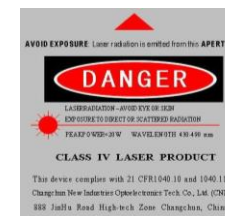
**LD PUMPED ALL-SOLID-STATE BLUE LASER**

All solid state 457 nm blue laser is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.

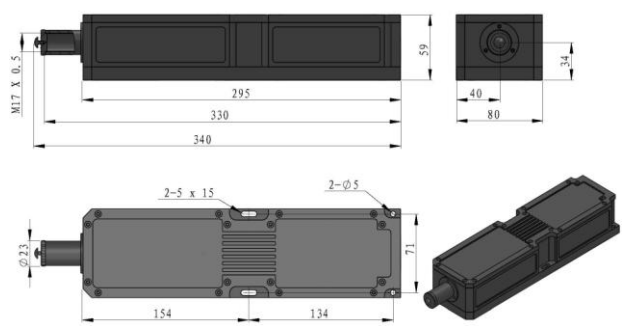
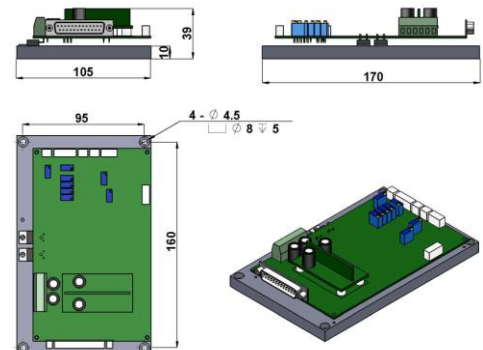
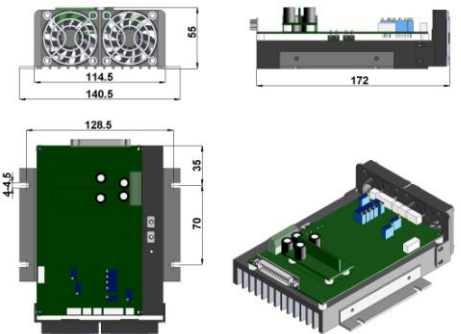
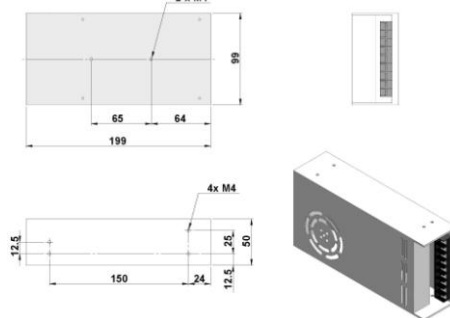


SPECIFICATIONS

|  |  |
|--|--|
| Wavelength (nm)                                      | 457±1  |
| Operating mode                                       | CW   |
| Output power (W)                                     | >3, 4, ..., 10   |
| Power stability (rms, over 4 hours)                  | <3%, <5%, <10%   |
| Transverse mode                                      | Near TEM <sub>00</sub>                                       |
| M <sup>2</sup> factor                                | 3.0~6.0  |
| Beam divergence, full angle (mrad)                   | <1.5   |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~4.0   |
| Polarization ratio                                   | >100:1   |
| Warm-up time (minutes)                               | <10  |
| Beam height from base plate (mm)                     | 34   |
| Operating temperature (°C)                           | 22.5+/-2.5   |
| Driver (12VDC 25A)                                   | PSU-OEM-W  |
| TTL / Analog modulation                              | TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional |
| Expected lifetime (hours)                            | 10000  |
| Warranty time  | 1 year   |



Note: The laser needs to be used on a heat sink with good heat dissipation.

| OEM-W-457  | PSU-OEM-W  |  | Accessory<br>(Power supply 100-240VAC)   |
|--|--|--|--|
|  | No heat dissipation  | A heat dissipation   |  |
|  <p>340(L)×80(W)×59(H) mm<sup>3</sup>, 2.8kg</p> |  <p>170(L)×105(W)×39(H) mm<sup>3</sup>, 0.7kg</p> |  <p>172(L)×140.5(W)×55(H) mm<sup>3</sup>, 0.8kg</p> |  <p>12VDC 25A: 199(L)×99(W)×50(H) mm<sup>3</sup>, 0.9kg</p> |