

**TEM-FN-635/1~180mW (TEM<sub>00</sub>)**



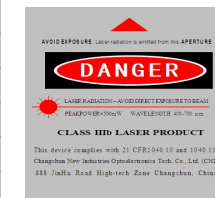
**RED DIODE LASER  
AT 635nm**

It features TEM<sub>00</sub> mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc

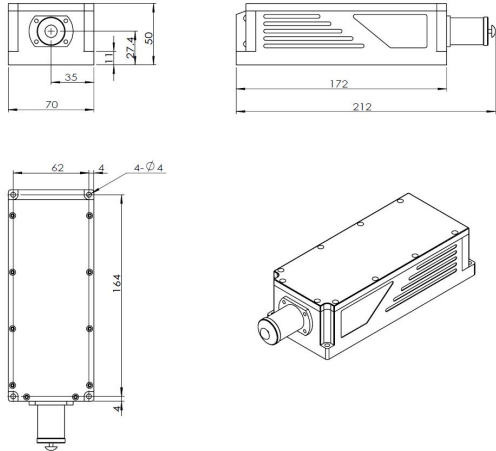
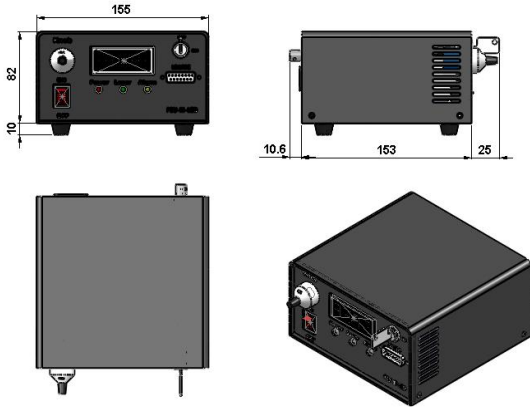
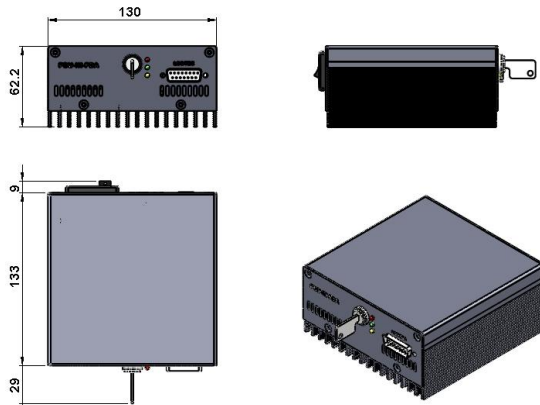


**SPECIFICATIONS**

|                                                      |                                                              |             |
|------------------------------------------------------|--------------------------------------------------------------|-------------|
| Central wavelength (nm)                              | 635±10                                                       |             |
| Operating mode                                       | CW                                                           |             |
| Output power (mW)                                    | 1-180                                                        |             |
| Power stability (rms, over 4 hours) 25℃              | <2%, <1%, <0.5%                                              |             |
| Transverse mode                                      | TEM <sub>00</sub>                                            |             |
| Ellipticity                                          | >0.95                                                        |             |
| M <sup>2</sup> factor                                | <1.1                                                         |             |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~1.0                                                         |             |
| Beam divergence, full angle (mrad)                   | <1.5                                                         |             |
| Warm-up time (minutes)                               | <5                                                           |             |
| Beam height from base plate (mm)                     | 25                                                           |             |
| Operating temperature (℃)                            | 25+/-3                                                       |             |
| Power supply (85-264VAC)                             | PSU-III-LED                                                  | PSU-III-FDA |
| TTL / Analog modulation                              | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional |             |
| Expected lifetime (hours)                            | 10000                                                        |             |
| Warranty                                             | 1 year                                                       |             |



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

| TEM-FN-635                                                                                                                                                            | PSU-III-LED                                                                                                                                                               | PSU-III-FDA                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p style="text-align: center;">212 (L) × 70 (W) × 50 (H) mm<sup>3</sup>, 0.9kg</p> |  <p style="text-align: center;">188.6 (L) × 155 (W) × 92 (H) mm<sup>3</sup>, 1.5kg</p> |  <p style="text-align: center;">171 (L) × 130 (W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p> |