

TEM-F-1368DFB/1~10mW (TEM<sub>00</sub>)



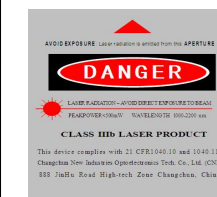
INFRARED DIODE LASER  
AT 1368nm

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

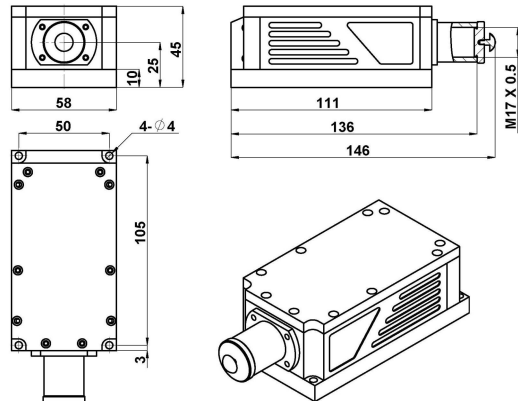
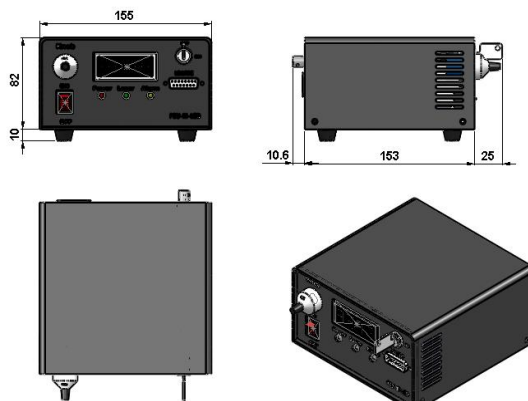
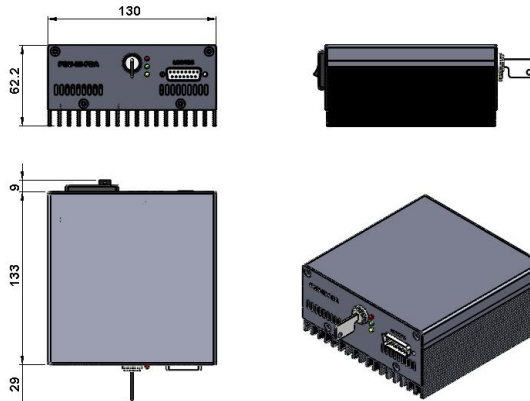


SPECIFICATIONS

|                                                      |                                                              |
|------------------------------------------------------|--------------------------------------------------------------|
| Central wavelength (nm)                              | 1368±2                                                       |
| Operating mode                                       | CW                                                           |
| Output power (mW)                                    | >1,2,3.....,10                                               |
| Power stability (rms, over 4 hours)                  | <3%, <2%, <1%, <0.5%                                         |
| Transverse mode                                      | TEM <sub>00</sub>                                            |
| Ellipticity                                          | >0.95                                                        |
| M <sup>2</sup> factor                                | <1.1                                                         |
| Spectral linewidth (MHz)                             | ~3                                                           |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~1.0                                                         |
| Beam divergence, full angle (mrad)                   | <1.5                                                         |
| SMSR (dB)                                            | 35                                                           |
| Warm-up time (minutes)                               | <5                                                           |
| Beam height from base plate (mm)                     | 25                                                           |
| Operating temperature (°C)                           | 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-F-1368DFB                                                                                                                             | PSU-III-LED                                                                                                                                   | PSU-III-FDA                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>146 (L) × 58 (W) × 45 (H) mm<sup>3</sup>, 0.7kg</p> |  <p>188.6 (L) × 155 (W) × 92 (H) mm<sup>3</sup>, 1.5kg</p> |  <p>171 (L) × 130 (W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p> |

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