

TEM-F-1620DFB/1~10mW (TEM_{00})



**INFRARED DIODE LASER
AT 1620nm**

It features TEM_{00} mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc

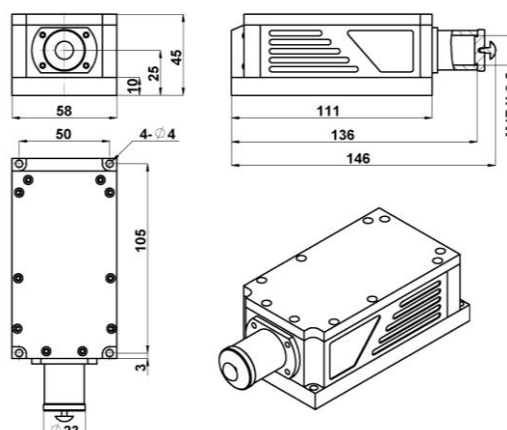
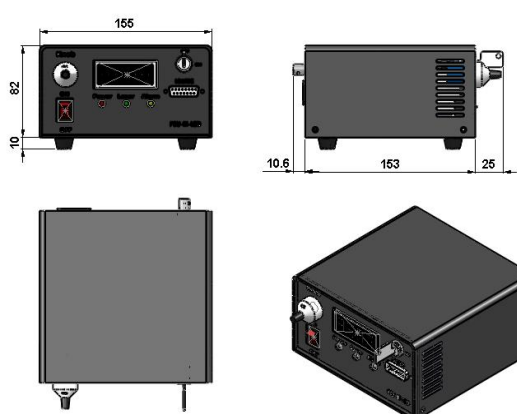
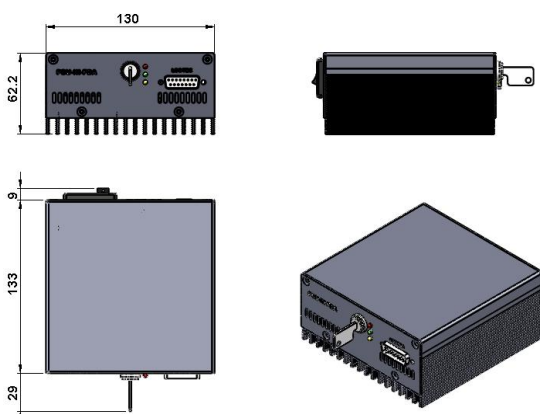


SPECIFICATIONS

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| Central wavelength (nm) | 1620±2 |
| Operating mode | CW |
| Output power (mW) | >1,2,3.....,10 |
| Power stability (rms, over 4 hours) | <2%, <3%, <5% |
| Transverse mode | TEM_{00} |
| Ellipticity | >0.95 |
| M^2 factor | <1.1 |
| Spectral linewidth (MHz) | ~3 |
| Beam diameter at the aperture ($1/e^2$,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-1620DFB | PSU-III-LED | PSU-III-FDA |
|--|--|--|
|  <p>146 (L) ×58(W) ×45 (H) mm³, 0.7kg</p> |  <p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p> |  <p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p> |