

TEM-F-1312DFB/1~10mW (TEM₀₀)



**INFRARED DIODE LASER
AT 1312nm**

It features TEM₀₀ mode, ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc

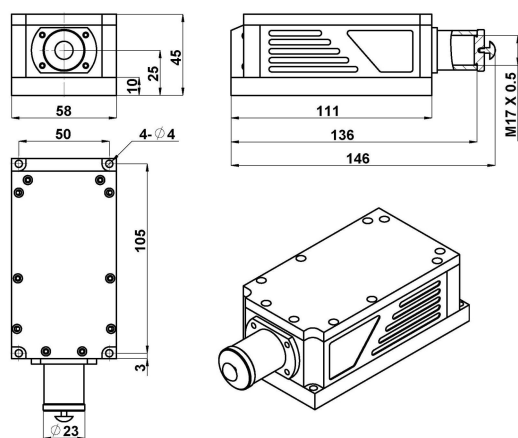
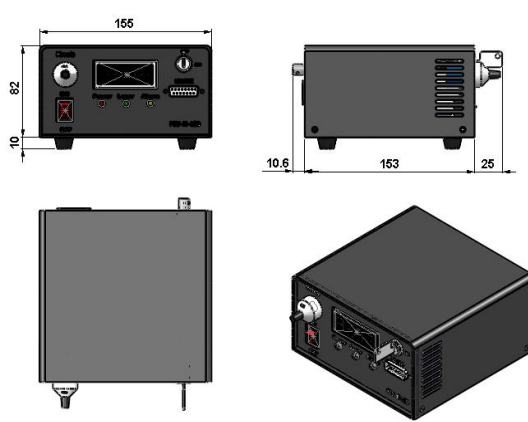
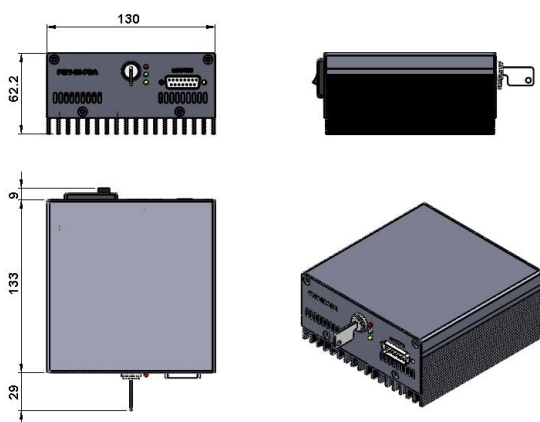


SPECIFICATIONS

| | | |
|--|--|-------------|
| Central wavelength (nm) | 1312±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 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-1312DFB | 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> |