

TEM-F-1550/1~180mW (TEM₀₀)



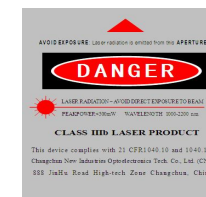
**INFRARED DIODE LASER
AT 1550nm**

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

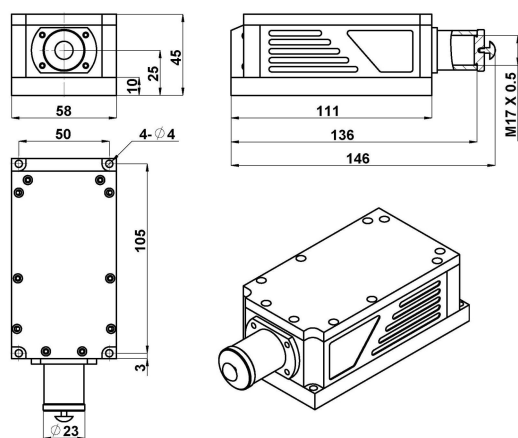
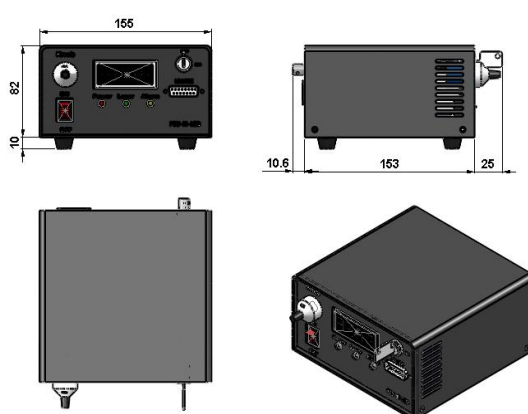
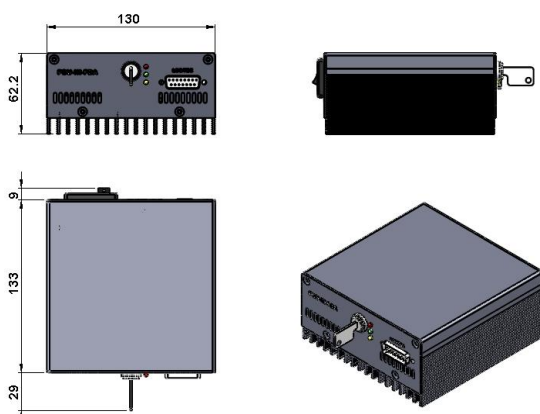


SPECIFICATIONS

| | | |
|--|--|---------------|
| Central wavelength (nm) | 1550±5 | |
| Operating mode | CW | |
| Output power (mW) | >1,2,...,5 | >5,6,7...,180 |
| Power stability (rms, over 4 hours) 25°C | <3%, <2%, <1% | |
| Transverse mode | TEM ₀₀ | |
| Ellipticity | >0.95 | |
| M ² factor | <1.1 | |
| Beam diameter at the aperture (1/e ² ,mm) | ~1.0 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| 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 | |
| Modulation optional | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz; and Analog modulation 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-1550 | 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> |