

| REV | DESCRIPTION OF REVISION | By | DATE | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A | INITIAL RELEASE | C. Cai | 2022/4/19 | C. Chen |

TECHNICAL DATA

Electrical Data

| | |
|------------------------|---|
| Frequency Range | 1800-2200MHz |
| Max Output Power(Psat) | ≥50dBm |
| Gain | ≥49dB |
| Gain Flatness | ≤1±1dB |
| VSWR Input | ≤2.0 |
| Input Power | 1±1dBm |
| Max Input Power | +6dBm |
| Spurious | ≤-65dBc |
| Harmonic | ≤-25dBc |
| Impedance | 50 Ohms |
| PTT Port | Default OFF, 3.3~5V ON |
| Temperature Protection | Over 80℃ protection with open circuit protection |
| Operation Current | ≤9~10.8A |
| Operation Voltage | +28V~+32V |
| VCC/Current Reference | 28V/12A |

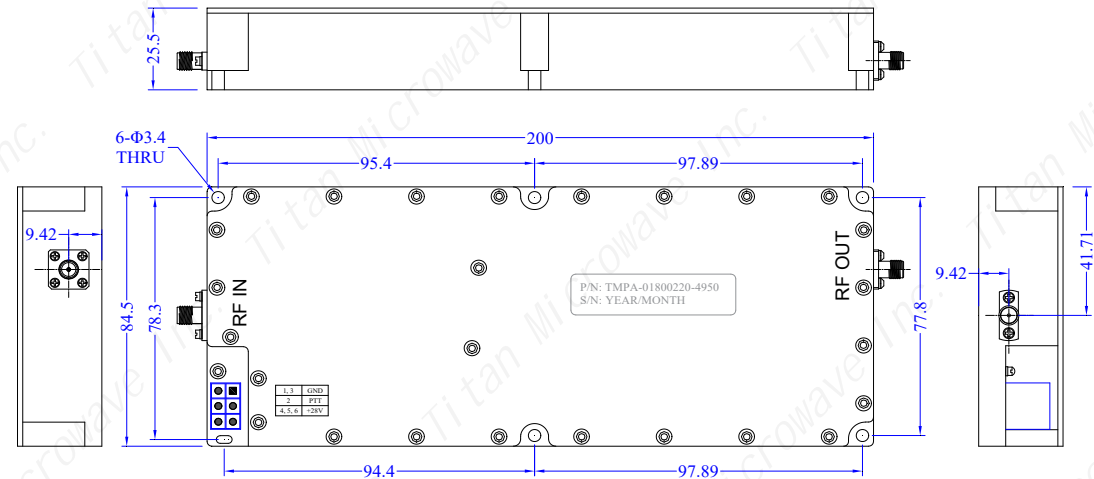
Mechanical Data

| | |
|----------------------------|--------------------|
| Dimensions | 200×84.5×25.5mm |
| Input Connector | SMA-Female |
| Output Connector | SMA-Female |
| 28V Power Supply Interface | 5557-4.2mm power-6 |
| Package | 1 piece/box |
| Weight | ≤640g |

Environmental Data

| | |
|-----------------------|-----------|
| Operating Temperature | -40℃~+55℃ |
|-----------------------|-----------|

! Stress above these ratings may cause permanent damage to the device
Radiator/Heatsink required during operation or test



Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

| | | |
|--------------------------------------|-------|----------|
| DRAWN: L. Ma 19/04/22 | | |
| ENGINEER: J. Zhu 19/04/22 | | |
| APPROVED: C. Chen 19/04/22 | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | |
| x | ±0.50 | [0.019"] |
| .x | ±0.20 | [0.008"] |
| .xx | ±0.10 | [0.004"] |
| ANGLES | ±1° | |

TITLE:

Power Amplifier,
1.8~2.2GHz, Gain 49dB,
Output Power 50dBm,
+28V, SMA-Female

PART No.:

TMPA-01800220-4950



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

| | | | |
|-------------|--------|---------------|-----------|
| SIZE: A4 | SCALE: | SHEET: 1/1 | REV: A |
|-------------|--------|---------------|-----------|