

| REV | DESCRIPTION OF REVISION | By | DATE | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A | INITIAL RELEASE | C. Cai | 2022/8/18 | C. Chen |

TECHNICAL DATA

► Electrical Data

| | |
|------------------------|---|
| Frequency Range | 500~2700MHz |
| Max Output Power(Psat) | ≥47dBm(50W) |
| Gain | ≥49dB |
| Gain Flatness | ≤3±1dB |
| VSWR Input | ≤2.6 |
| Input Power | 3±2dBm |
| Max Input Power | +12dBm |
| Spurious | ≤-65dBc |
| Harmonic | ≥-8dBc |
| Impedance | 50 Ohms |
| PTT Port | Default OFF, 5V ON |
| Temperature Protection | Over 80℃ protection with open circuit protection |
| Operation Current | ≤6A |
| VCC/Current Reference | +32V/9A |
| Max Operation Voltage | +33V |

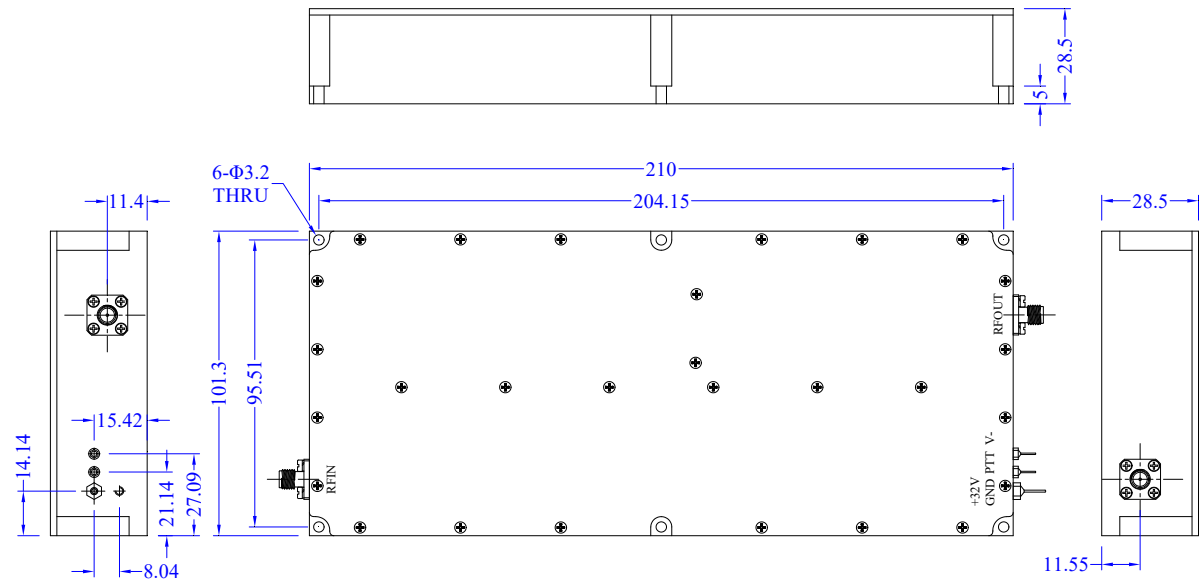
► Mechanical Data

| | |
|----------------------------|--------------------|
| Dimensions | 210×101.3×28.5mm |
| Input Connector | SMA-Female |
| Output Connector | SMA-Female |
| 48V Power Supply Interface | Feedthru Capacitor |

► Environmental Data

| | |
|-----------------------|-----------|
| Operating Temperature | -25℃~+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 18/08/22 | | |
| ENGINEER: J. Zhu 18/08/22 | | |
| APPROVED: C. Chen 18/08/22 | | |
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | |
| x | ±0.50 | [0.019"] |
| .x | ±0.20 | [0.008"] |
| .xx | ±0.10 | [0.004"] |
| ANGLES | ±1° | |

TITLE:

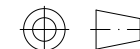
Power Amplifier, 500-
2700MHz, Gain 49dB,
Output Power 50W,
+32V, SMA-Female

PART No.:

TMPA-00500270-4947



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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