

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

## TECHNICAL DATA

### Electrical Data

|                        |                        |
|------------------------|------------------------|
| Frequency Range        | 4-5GHz                 |
| Max Output Power(Psat) | ≥47dBm                 |
| Gain                   | ≥46dB                  |
| Gain Flatness          | ≤2±1dB                 |
| VSWR Input             | ≤1.7                   |
| Input Power            | 2±1dBm                 |
| Spurious               | ≤-65dBc                |
| Harmonic@worst point   | ≤-20dBc                |
| Impedance              | 50 Ohms                |
| PTT Port               | Default OFF, 3.3~5V ON |
| Temperature Protection | Over 80°C protection   |
| Operation Current      | ≤7~8A                  |
| Operation Voltage      | +28V~+30V              |
| VCC/Current Reference  | 30V/12A                |

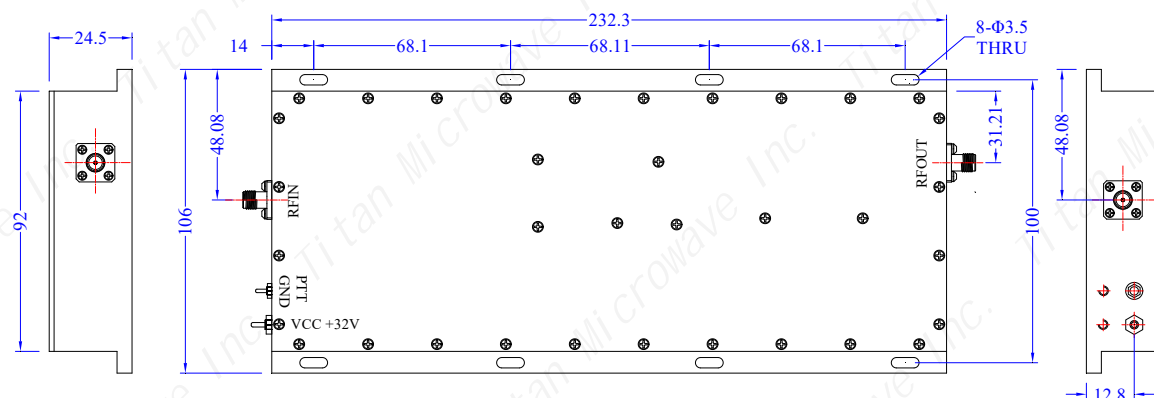
### Mechanical Data

|                        |                    |
|------------------------|--------------------|
| Dimensions             | 232.3×106×24.5mm   |
| Input Connector        | SMA-Female         |
| Output Connector       | SMA-Female         |
| Power Supply Interface | Feedthru Capacitor |
| Package                | 1 piece/box        |
| Weight                 | ≤1500g             |

### Environmental Data

|                       |             |
|-----------------------|-------------|
| Operating Temperature | -30°C~+55°C |
|-----------------------|-------------|

! 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, 4~5GHz,  
Gain 46dB, Output Power  
47dBm, +32V, SMA-  
Female

#### PART No.:

TMPA-04000500-4647



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DIMENSIONS IN MILLIMETERS(mm)

|             |        |               |           |
|-------------|--------|---------------|-----------|
| SIZE:<br>A4 | SCALE: | SHEET:<br>1/1 | REV:<br>A |
|-------------|--------|---------------|-----------|