

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/11/22	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	2000-3000MHz
Max Output Power(Psat)	≥50dBm
Gain	≥49dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.7
Input Power	2±1dBm
Spurious	≤-65dBc
Harmonic@worst point	≤-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection
Operation Current	≤12~13.8A
Operation Voltage	+28V~+32V
VCC/Current Reference	32V/16.8A

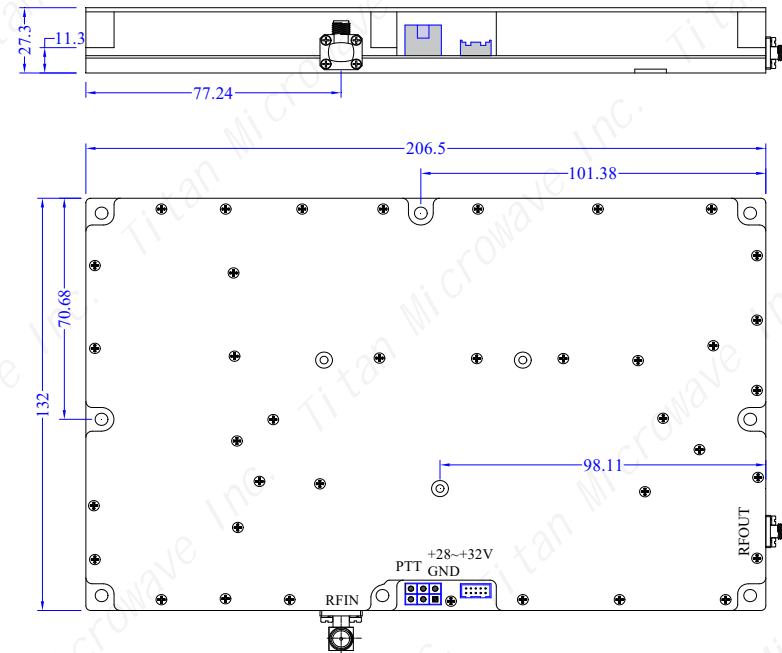
### ► Mechanical Data

Dimensions	206.5×132×27.3mm
Input Connector	SMA-Female(right angle)
Output Connector	SMA-Female
32V Power Supply Interface	5557-4.2mm power-6
Package	1 piece/box
Weight	≤2060g

### ► Environmental Data

Operating Temperature	-30℃~+55℃
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- ! 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 22/11/23		
ENGINEER: J. Zhu 22/11/23		
APPROVED: C. Chen 22/11/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

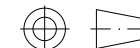
Power Amplifier, 2~3GHz,  
Gain 49dB, Output Power  
50dBm, +32V, SMA-  
Female

#### PART No.:

TMPA-02000300-4950



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

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