

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/11	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	2000~4000MHz
Max Output Power(Psat, CW)	≥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 Voltage	+28V~+32V
Operation Current	≤12-13.8A
VCC/Current Reference	+32V/16.8A

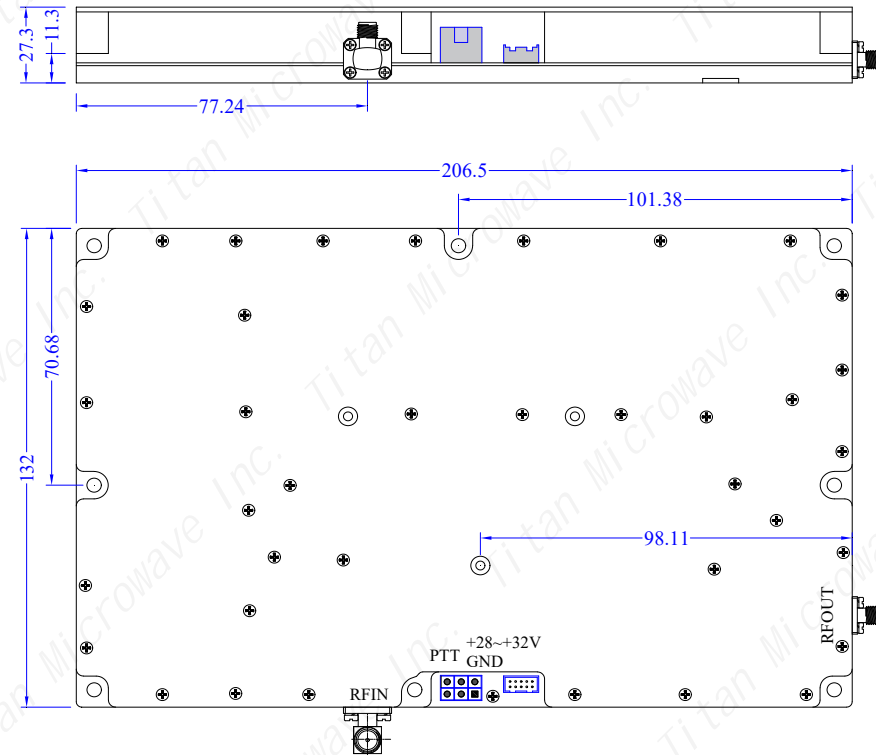
► Mechanical Data

Dimensions	206×132×27.3mm
Input Connector	SMA-Female(right angle)
Output Connector	SMA-Female
32V Power Supply Interface	4.2mm Double Row 5P Female Connector
Package	1 piece/box
Weight	≤2.06kg

► Environmental Data

Operating Temperature	-30℃~+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 11/04/22		
ENGINEER: J. Zhu 11/04/22		
APPROVED: C. Chen 11/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

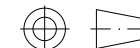
Power Amplifier, 2-4GHz,
Gain 49dB, Output Power
50dBm, +32V, SMA-
Female

PART No.:

TMPA-02000400-4950



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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