

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	≥47dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.8
Input Power	2±2dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≤-11dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Voltage	+32V
Operation Current	≤7A
VCC/Current Reference	32V/10A

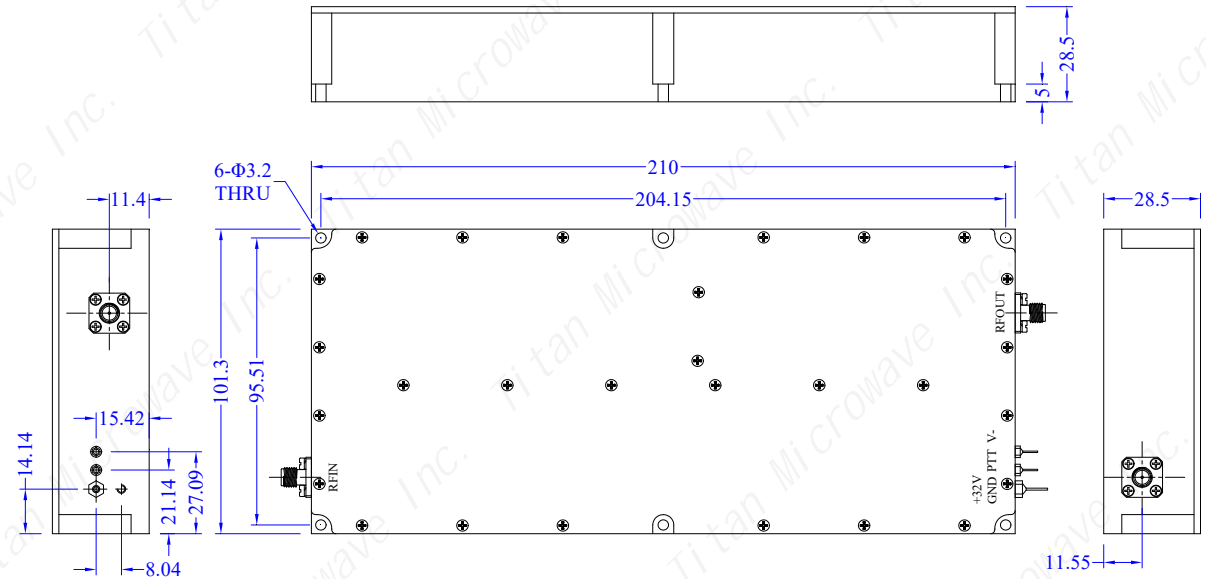
Mechanical Data

Dimensions	210×101.3×28.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
32V Power Supply Interface	Feedthru Capacitor

Environmental Data

Operating Temperature	-40℃~+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 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 47dB, Output Power 47dBm, +32V, SMA-Female
PART No.:	TMPA-00500270-4747

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DIMENSIONS IN MILLIMETERS(mm)

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