

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/5/17	C. Chen

## TECHNICAL DATA

### Electrical Data

Frequency Range	90~1500MHz
Max Output Power(Psat)	≥47dBm
Gain	≥50dB
Gain Flatness	≤2±1dB
VSWR Input	≤2.0
Input Power	2±2dBm
Max Input Power	+7dBm
Spurious	≤-65dBc
Harmonic	≤-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Voltage	+30V~+32V
Operation Current	≤6~7A
VCC/Current Reference	30V/9A

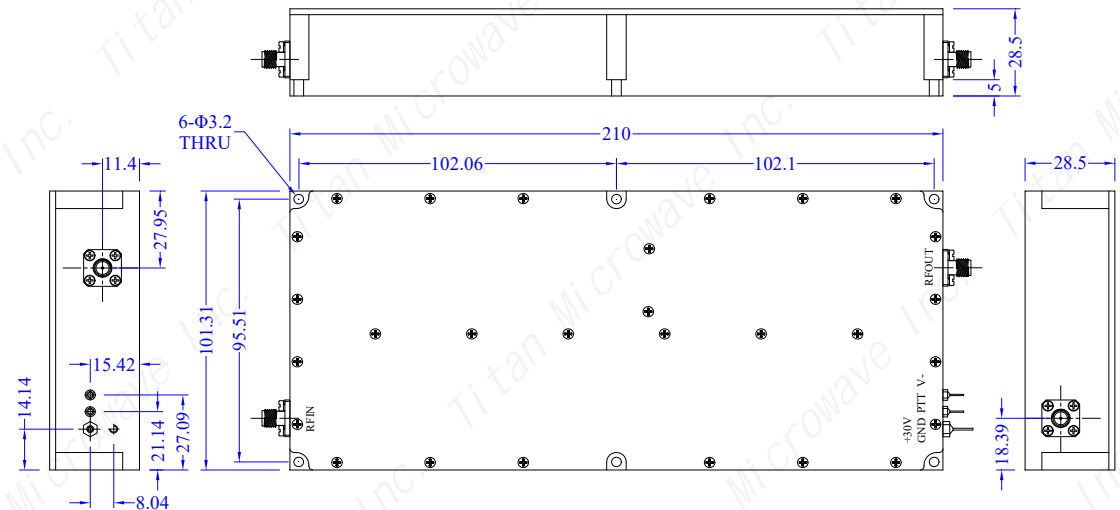
### Mechanical Data

Dimensions	210×103.31×28.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
30V Power Supply Interface	Feedthru Capacitor
Weight	1800g max

### 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 17/05/22		
ENGINEER: J. Zhu 17/05/22		
APPROVED: C. Chen 17/05/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

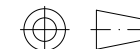
Power Amplifier, 90-1500MHz, Gain 50dB, Output Power 47dBm, +30V, SMA-Female

#### PART No.:

TMPA-00090150-5047



[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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