

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/5/10	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	1300~1700MHz
Max Output Power(Psat)	≥50dBm
Gain	≥49dB
Gain Flatness	≤3±1dB
VSWR Input	≤2.0
Input Power	3±1dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≥-12dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤8~11A
VCC/Current Reference	+32V/16A

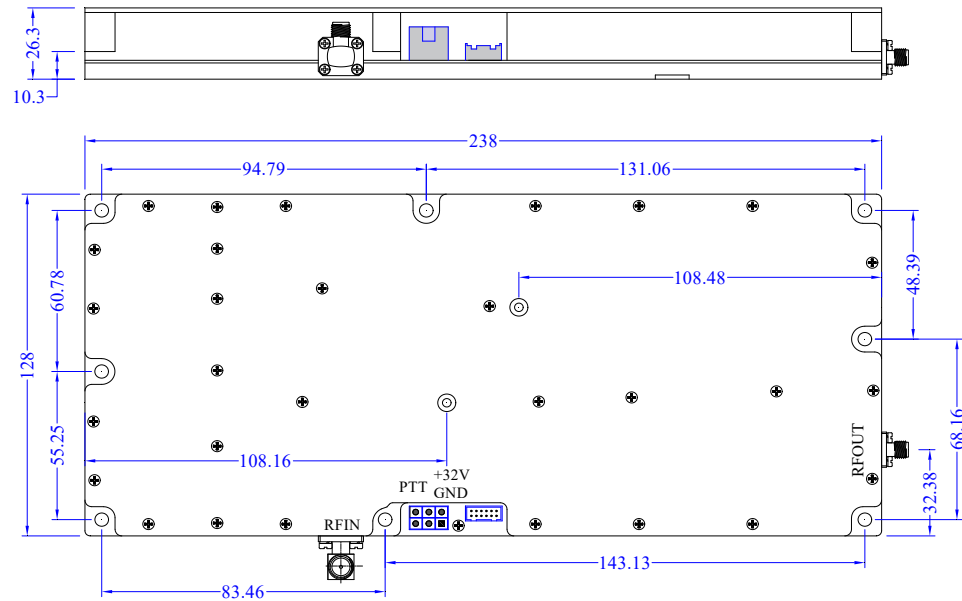
### ► Mechanical Data

Dimensions	238×128×26.3mm
Input Connector	SMA-Female(right angle)
Output Connector	SMA-Female
32V Power Supply Interface	4.2mm Double Row 6P Female Connector

### ► Environmental Data

Operating Temperature	-25℃~+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 10/05/22		
ENGINEER: J. Zhu 10/05/22		
APPROVED: C. Chen 10/05/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

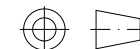
Power Amplifier, 1.3-  
1.7GHz, Gain 49dB,  
Output Power 50dBm,  
+32V, SMA-Female

#### PART No.:

TMPA-01300170-4950



[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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