

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

TECHNICAL DATA

Electrical Data

Frequency Range	500-3000MHz
Max Output Power(Psat)	≥50dBm
Gain	≥49dB
Gain Flatness	≤3±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°C protection with open circuit protection
Operation Voltage	+32V
Operation Current	≤11~13A
VCC/Current Reference	32V/16A

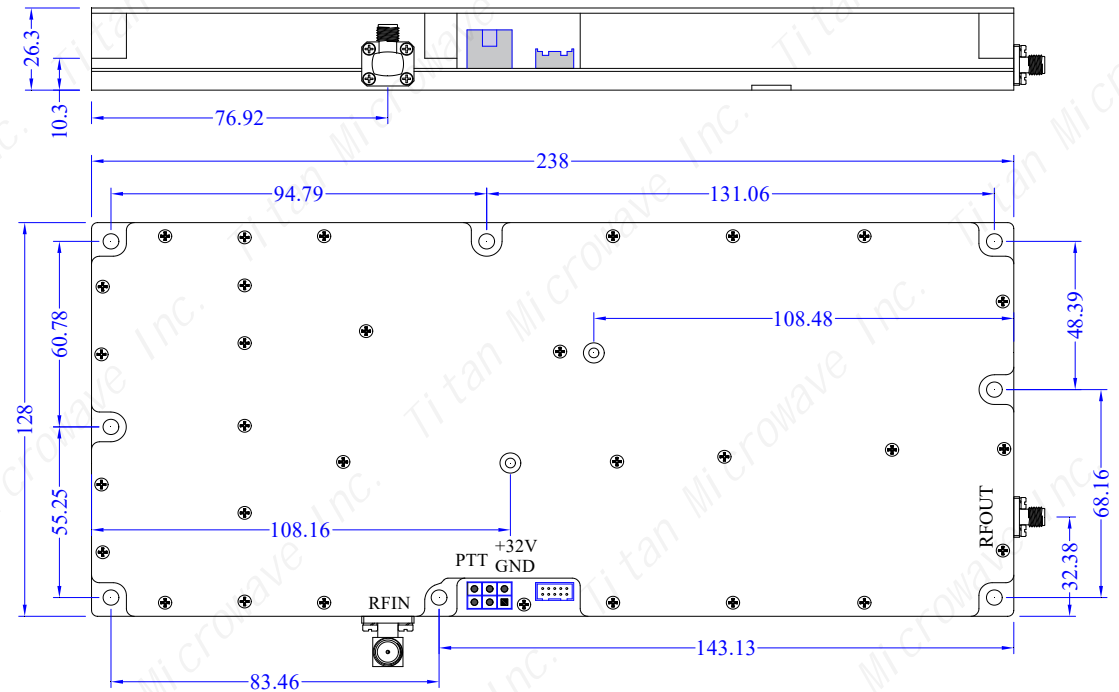
Mechanical Data

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
Package	1 piece/box
Weight	≤2kg

Environmental Data

Operating Temperature	-40°C~+55°C
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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 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:

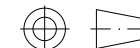
Power Amplifier, 0.5-3GHz, Gain 49dB, Output Power 50dBm, +32V, SMA-Female

PART No.:

TMPA-00500300-4950



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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