

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/16	C. Chen

TECHNICAL DATA

Electrical Data

Frequency Range	800-1800MHz
Max Output Power(Psat)	≥50dBm
Gain	≥49dB
Gain Flatness	≤2±1dB
VSWR Input	≤2.0
Input Power	2±2dBm
Max Input Power	+8dBm
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 Current	≤9~12.8A
Operation Voltage	+28V~+32V
VCC/Current Reference	32V/15A

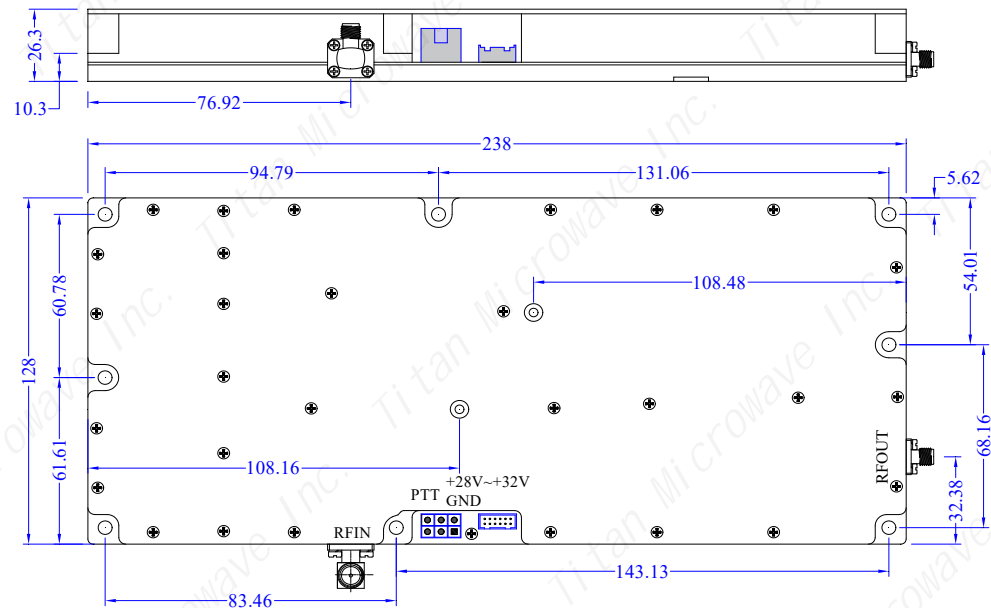
Mechanical Data

Dimensions	238×128×26.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
32V Power Supply Interface	5557-4.2mm power-6
Package	1 piece/box

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

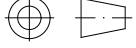


Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

DRAWN: L. Ma 16/04/22		
ENGINEER: J. Zhu 16/04/22		
APPROVED: C. Chen 16/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:	Power Amplifier, 0.8~1.8GHz, Gain 49dB, Output Power 50dBm, +32V, SMA-Female
PART No.:	TMPA-00800180-4950

 成都巨人微波 TITAN MICROWAVE INC. <small>- A Professional RF & Microwave Components Supplier -</small>			
www.titan-microwave.com			
 DIMENSIONS IN MILLIMETERS(mm)			
SIZE: A4	SCALE:	SHEET: 1/1	REV: A