

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/11/20	C. Chen

TECHNICAL DATA

Electrical Data

Frequency Range	500~1800MHz
Max Output Power(Psat)	≥50±0.2dBm
Gain	≥50dB
Gain Flatness	≤3±1dB
VSWR Input	≤2.0
Input Power	3±1dBm
Max Input Power	+10dBm
Spurious	≤-65dBc
Harmonic	≥-15dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤11.5A
VCC/Current Reference	28~32V/16A

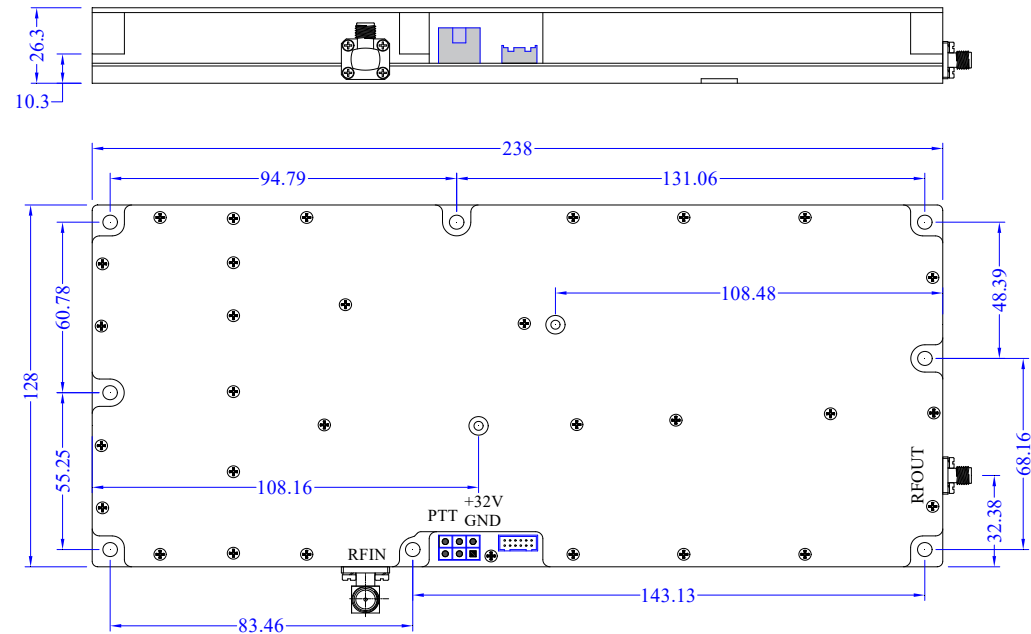
Mechanical Data

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 20/11/22		
ENGINEER: J. Zhu 20/11/22		
APPROVED: C. Chen 20/11/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

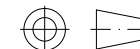
Power Amplifier, 0.5-
1.8GHz, Gain 50dB,
Output Power 100W,
+32V, SMA-Female

PART No.:

TMPA-00500180-5050



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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