

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/8/11	C. Chen

## TECHNICAL DATA

### ► Electrical Data(50Ω, 25°C)

Frequency Range	8~10.5GHz
Output Power(CW, Psat)	≥43dBm
Gain	≥43dB
Gain Flatness	≤2±1dB
Input VSWR	≤1.6:1
Input Power	≤2dBm
Harmonic@Worst point	≤-30dBc
Spurious	≤-65dBc
Temperature Protection	Over 80°C protection
PTT Port	Default OFF, 3.3-5V ON
Operating Voltage	+28V~+30V
Operating Current	≤2-3A
VCC/Current Reference	28V/4A

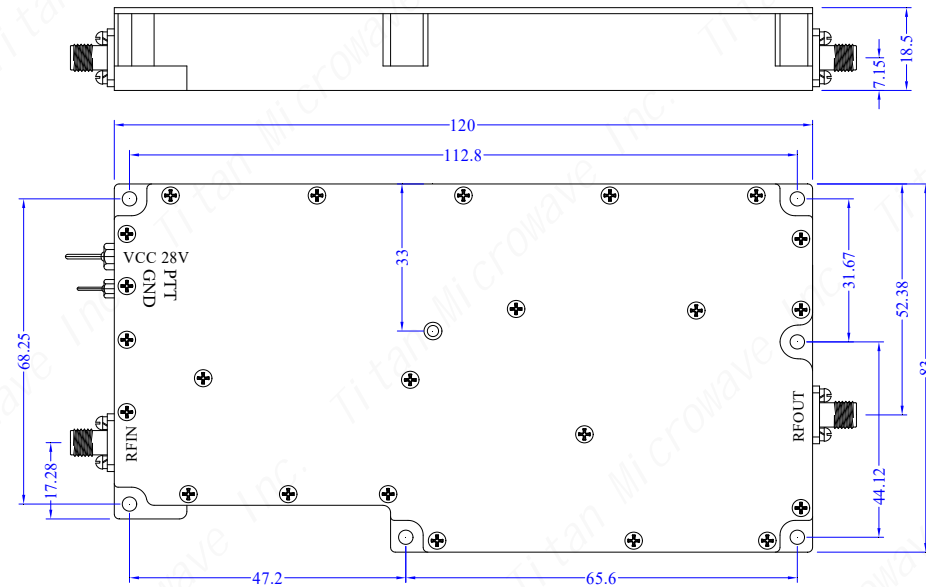
### ► Mechanical Data

Dimensions	120×83×18.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Connector	Feedthru Capacitor
Weight	260g max
Package	1 piece/box

### ► Environmental Data

Operating Temperature	-30°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



DRAWN: L. Ma 11/08/23		
ENGINEER: J. Zhu 11/08/23		
APPROVED: C. Chen 11/08/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

**TITLE:**  
 Power Amplifier, 8-10.5GHz, Gain 43dB, Output Power 43dBm, +28V, SMA-Female

**PART No.:**  
 TMPA-08001050-4343



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DIMENSIONS IN MILLIMETERS(mm)

<b>SIZE:</b> A4	<b>SCALE:</b>	<b>SHEET:</b> 1/1	<b>REV:</b> A
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**Notes:**

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