

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

TECHNICAL DATA

► Electrical Data(50Ω, 25℃)

Frequency Range	8~12GHz
Output Power(CW, Psat)	≥45dBm
Gain	≥45dB
Gain Flatness	≤2±1dB
Input VSWR	≤1.6:1
Input Power	≤3dBm
Harmonic@Worst point	≤-28dBc
Spurious	≤-65dBc
Temperature Protection	Over 80℃ protection
PTT Port	Default OFF, 3.3-5V ON
Operating Voltage	+28V~+30V
Operating Current	≤3-4.5A
VCC/Current Reference	28V/7A

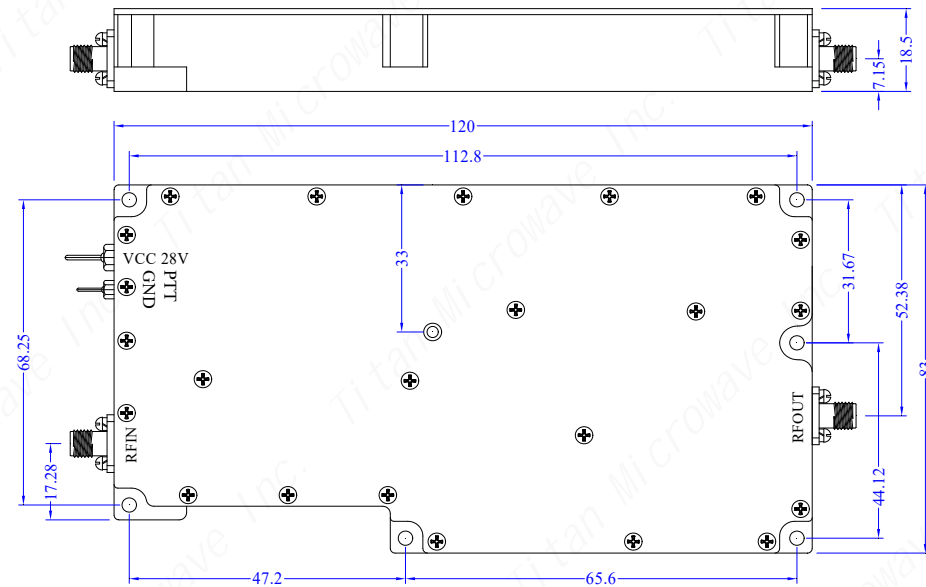
► Mechanical Data

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℃~+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 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, 8-12GHz, Gain 45dB, Output Power 45dBm, +28V, SMA-Female

PART No.:

TMPA-08001200-4545



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DIMENSIONS IN MILLIMETERS(mm)

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