

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

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	5-6GHz
Output Power(Psat)	≥50±0.5dBm
Gain	≥48dB
VSWR Input	≤1.8
Input Power	3±1dBm
Spurious	≤-65dBc
Harmonic@100W	≥-30dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤9-11A
VCC/Current Reference	+28V/15A
Max Operation Voltage	+31V

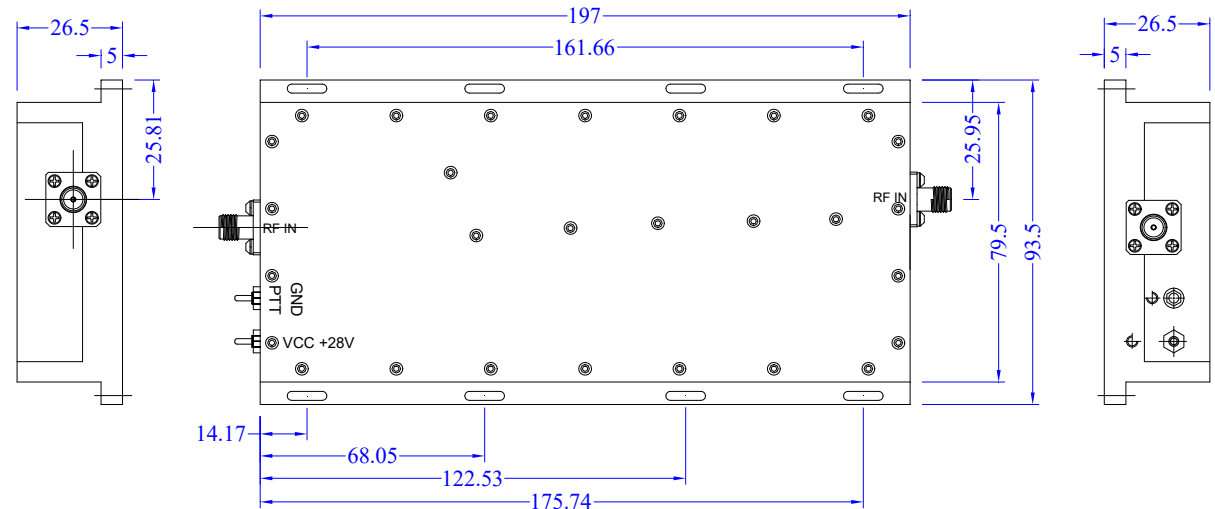
### ► Mechanical Data

Dimensions	197×93.5×26.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	Feedthru capacitor

### ► 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 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, 5~6GHz,  
Gain 48dB, Output Power  
100W, +28V, SMA-  
Female

**PART No.:**  
TMPA-05000600-4850

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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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