

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

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	100~500MHz
Max Output Power(Psat)	≥53dBm(200W)
Gain	≥53dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.8
Input Power	3±1dBm
Max Input Power	+10dBm
Spurious	≤-65dBc
Harmonic	≤-12dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80°C protection with open circuit protection
Operation Current	18-20A
Voltage/Current Reference	+28V/25A
Max Operation Voltage	+33V

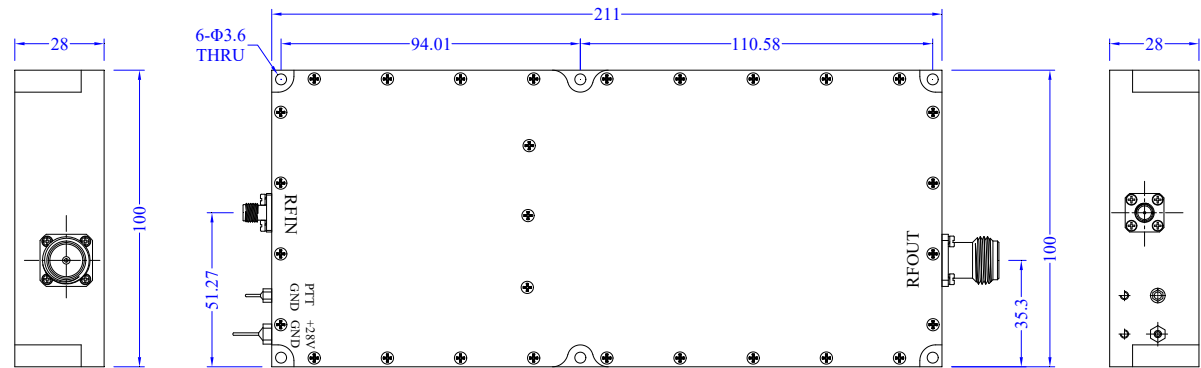
### ► Mechanical Data

Dimensions	211×100×28mm
Input Connector	SMA-Female
Output Connector	N-Female
48V Power Supply Interface	Feedthru Capacitor

### ► Environmental Data

Operating Temperature	-25°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 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, 100-500MHz, Gain 53dB, Output Power 200W, +28V, SMA&N-Female

**PART No.:**  
TMPA-00100050-5353

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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