

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

## TECHNICAL DATA

### Electrical Data

Frequency Range	500~2000MHz
Max Output Power(Psat)	≥43dBm
Gain	≥43dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.8
Input Power	2±2dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≤-11dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Voltage	+28V
Operation Voltage	≤2.8A
VCC/Current Reference	28V/4A

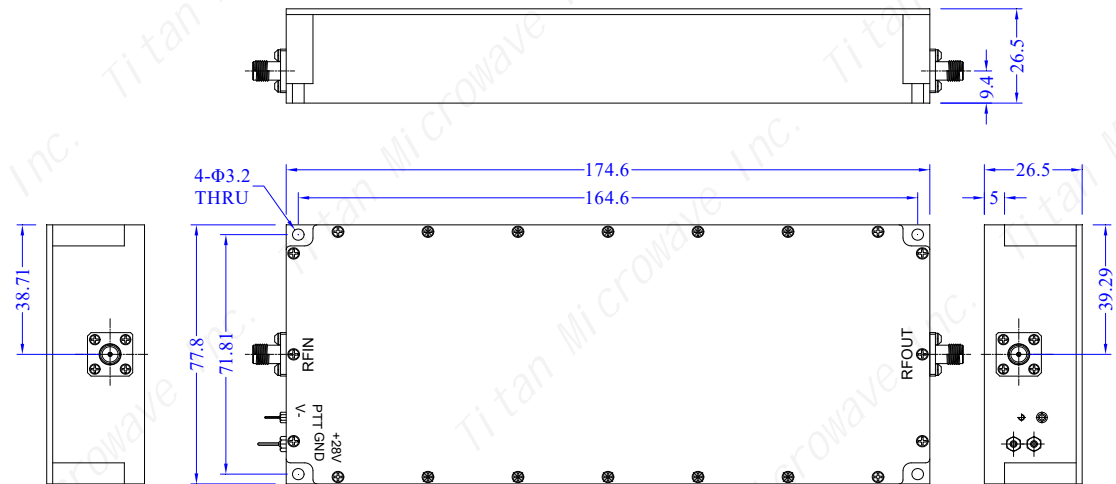
### Mechanical Data

Dimensions	174.6×77.8×26.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	Feedthru Capacitor
Weight	≤520g

### Environmental Data

Operating Temperature	-40℃~+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-  
2GHz, Gain 43dB, Output  
Power 43dBm, +28V,  
SMA-Female

#### PART No.:

TPMA-00500200-4343



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DIMENSIONS IN MILLIMETERS(mm)

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