

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

TECHNICAL DATA

► Electrical Data

Frequency Range	700-2700MHz
Max Output Power(Psat)	≥51.5dBm
Gain	≥49dB
Gain Flatness	≤2.0dB
VSWR Input	≤1.7
Input Power	-1~+3dBm
Max Input Power	+10dBm
3 rd Order Intermodulation(IMD3)	≥-25dBc
2 nd Harmonic	≥-12dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	18~21A
Operation Voltage	+28V~+33V

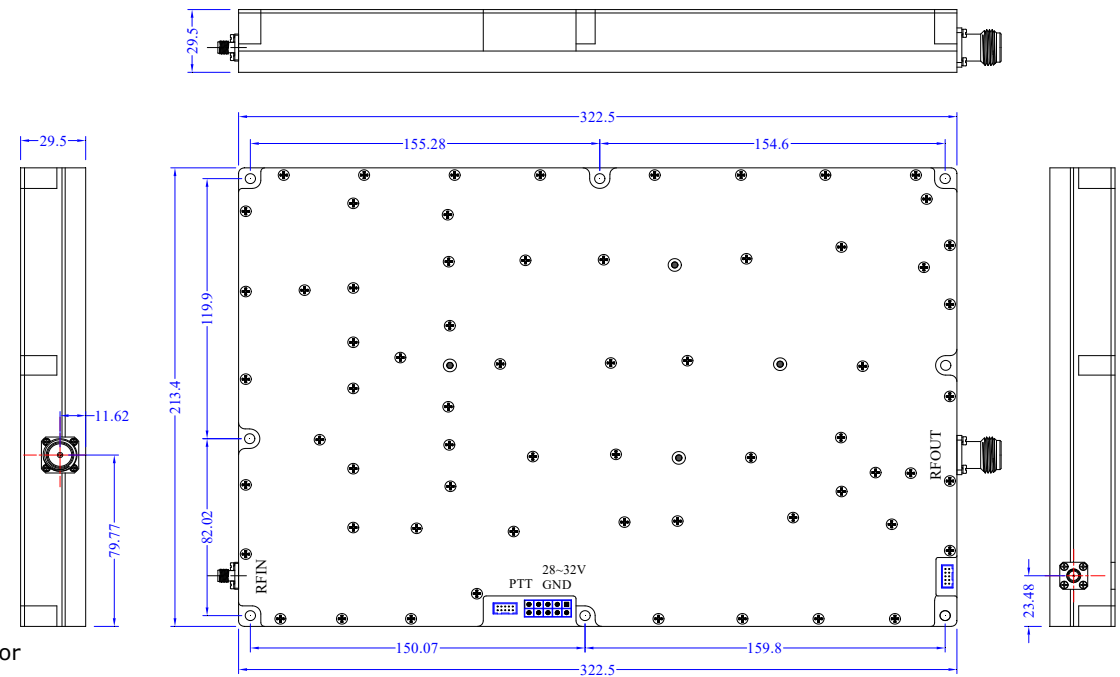
► Mechanical Data

Dimensions	322.5×213.4×29.5mm
Input Connector	SMA-Female
Output Connector	N-Female
32V Power Supply Interface	4.2mm Double Row 5P Female Connector
Package	1 piece/box

► 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



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,
0.7~2.7GHz, Gain 49dB,
Output Power 51.5dBm,
+32V, SMA/N-Female

PART No.:
TMPA-00700270-4951

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DIMENSIONS IN MILLIMETERS(mm)

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

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