

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/6/11	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	2000~6000MHz
Max Output Power(Psat)	≥50dBm
Gain	≥49dB
Gain Flatness	≤±3dB
VSWR Input	≤1.7
Input Power	2±2dBm
Spurious	≤-65dBc
Harmonic@worst point	≤-8dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection
Operation Voltage	+28V~+30V
Operation Current	≤9~10A
VCC/Current Reference	+30V/12A

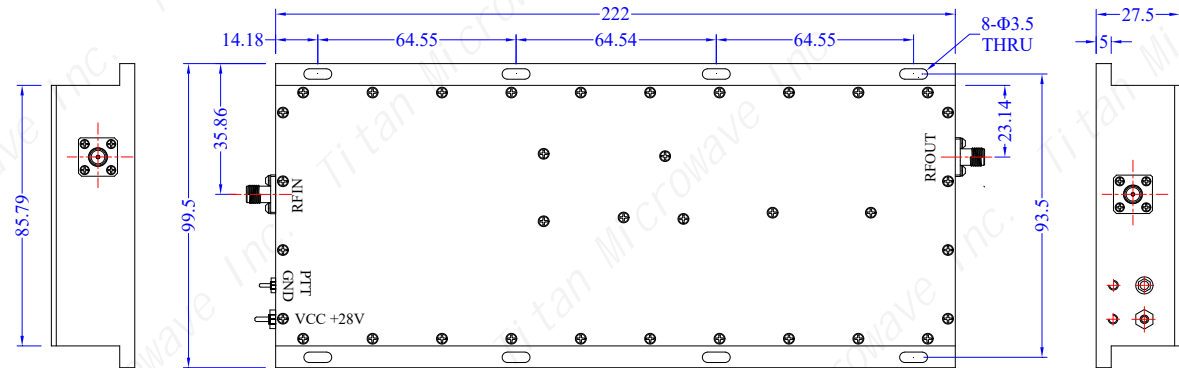
► Mechanical Data

Dimensions	222×99.5×27.5mm
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



DRAWN: L. Ma 11/06/22		
ENGINEER: J. Zhu 11/06/22		
APPROVED: C. Chen 11/06/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Power Amplifier, 2-6GHz,
Gain 49dB, Output Power
50dBm, +28V, SMA-
Female

PART No.:
TMPA-02000600-4950



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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