

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

TECHNICAL DATA

Electrical Data

Frequency Range	420-480MHz
Max Output Power(Psat)	≥50dBm
Gain	≥49dB
Gain Flatness	≤1±1dB
VSWR Input	≤1.6
Input Power	1±1dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≤-25dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Voltage	+28V~+32V
Operation Current	≤9~10A
VCC/Current Reference	28V/12A

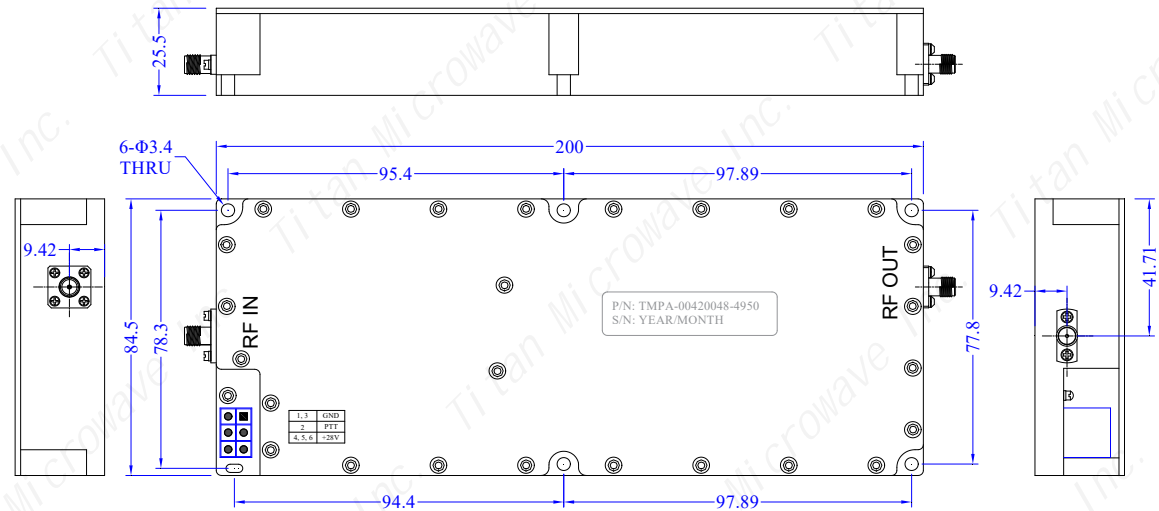
Mechanical Data

Dimensions	200×84.5×25.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	Feedthru Capacitor
Package	1 piece/box

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



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,
0.42~0.48GHz, Gain 49dB,
Output Power 50dBm,
+28V, SMA-Female

PART No.:
TMPA-00420048-4950



www.titan-microwave.com



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