

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/19	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	1520-1650MHz
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 Current	≤9~10A
Operation Voltage	+28V~+32V
VCC/Current Reference	28V/12A

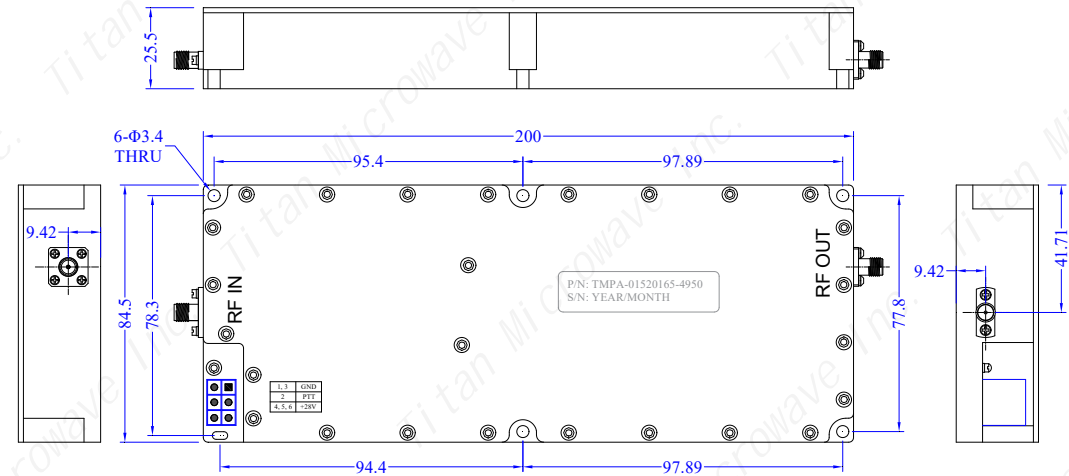
### ► Mechanical Data

Dimensions	200×84.5×25.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	5557-4.2mm power-6
Package	1 piece/box
Weight	≤640g

### ► 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 19/04/22		
ENGINEER: J. Zhu 19/04/22		
APPROVED: C. Chen 19/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

Power Amplifier,  
1.52~1.65GHz, Gain 49dB,  
Output Power 50dBm,  
+28V, SMA-Female

#### PART No.:

TMPA-01520165-4950



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DIMENSIONS IN MILLIMETERS(mm)

SIZE:  
A4

SCALE:

SHEET:  
1/1

REV:  
A