

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

TECHNICAL DATA

► Electrical Data

Frequency Range	1100-1700MHz
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°C protection with open circuit protection
Operation Current	≤2.8A
Operation Voltage	+28V
VCC/Current Reference	28V/4A

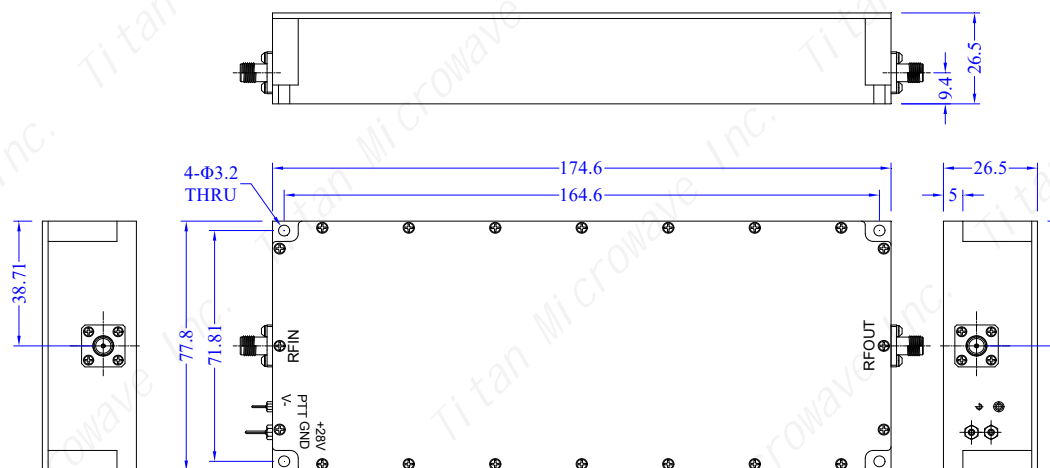
► Mechanical Data

Dimensions	174.6×77.8×26.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	Feedthru Capacitor
Package	1 piece/box
Weight	≤520g

► Environmental Data

Operating Temperature	-40°C~+55°C
-----------------------	-------------

! 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,
1.1~1.7GHz, Gain 43dB,
Output Power 43dBm,
+28V, SMA-Female

PART No.:

TMPA-01100170-4343



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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