

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/11/20	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	20~512MHz
Max Output Power(Psat)	≥50dBm(100W)
Gain	≥48dB
Gain Flatness	≤3±0.5dB
VSWR Input	≤1.7
Input Power	4±1dBm
Max Input Power	+10dBm
Spurious	≤-65dBc
Harmonic	≤-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤8-12A
Voltage/Current Reference	+28V/16A
Max Operation Voltage	+31V

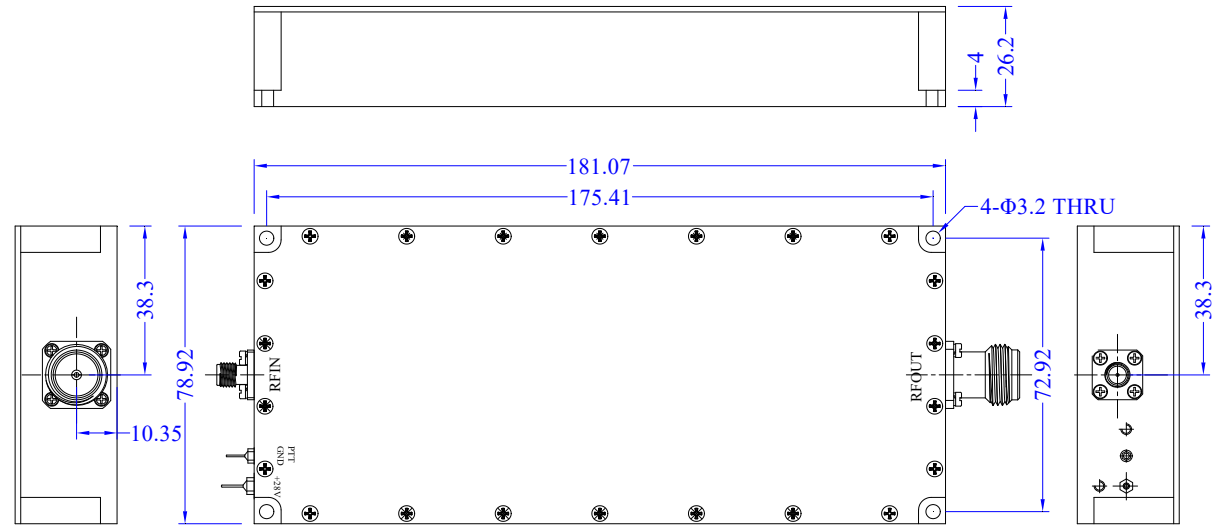
► Mechanical Data

Dimensions	181.07×78.92×26.2mm
Input Connector	SMA-Female
Output Connector	N-Female
28V Power Supply Interface	Feedthru Capacitor
Weight	≤620g

► 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



Notes:

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

DRAWN: L. Ma 20/11/22		
ENGINEER: J. Zhu 20/11/22		
APPROVED: C. Chen 20/11/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

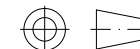
Power Amplifier, 20-512MHz, Gain 48dB, Output Power 100W, +28V, SMA&N-Female

PART No.:

TMPA-00020051-4850



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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