

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/12	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	70-512MHz
Max Output Power(Psat, CW)	≥47dBm
Gain	≥47dB
Gain Flatness	≤3±1dB
VSWR Input	≤1.6
Input Power	3±1dBm
Max Input Power	+10dBm
Spurious	≤-65dBc
Harmonic	≥-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3-5V ON
Temperature Protection	Over 80°C protection with open circuit protection
Operation Current	≤8-11A
VCC/Current Reference	+28V/15A
Max Operation Voltage	+31V

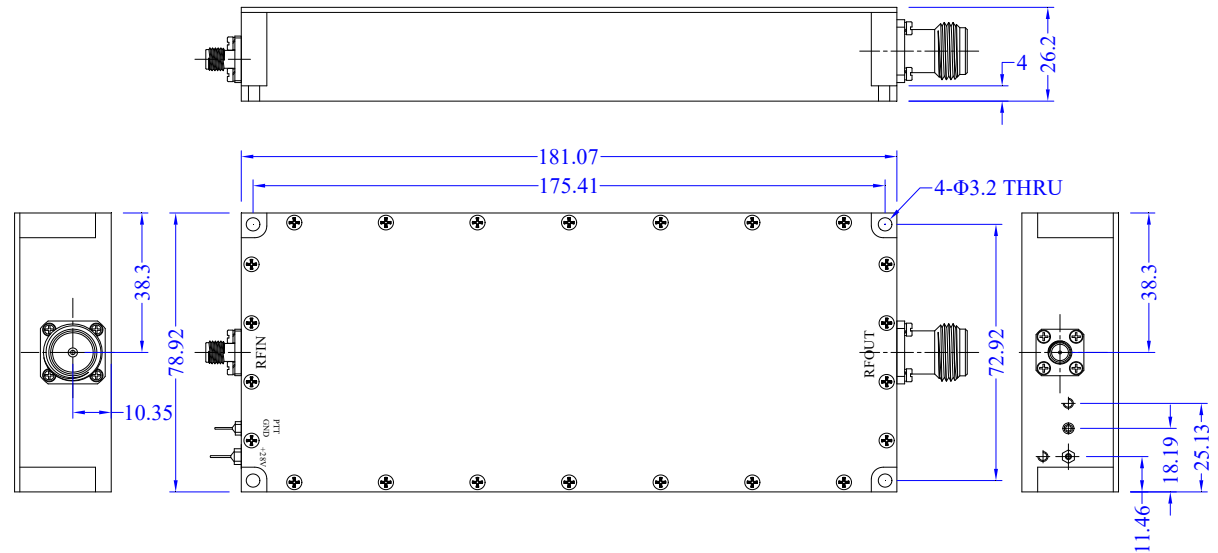
► Mechanical Data

Dimensions	181.07×78.92×26.2mm
Input Connector	SMA-Female
Output Connector	N-Female
28V Power Supply Interface	Feedthru Capacitor
Package	1 piece/box

► Environmental Data

Operating Temperature	-25°C~+55°C
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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 12/04/22		
ENGINEER: J. Zhu 12/04/22		
APPROVED: C. Chen 12/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

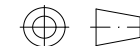
Power Amplifier, 70-512MHz, Gain 47dB, Output Power 50dBm, +28V, SMA/N-Female

PART No.:

TMPA-00070051-4747

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DIMENSIONS IN MILLIMETERS(mm)

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