

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

TECHNICAL DATA

► Electrical Data

Frequency Range	20~100MHz
Max Output Power(Psat)	≥50dBm(100W, CW)
Gain	≥50dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.6
Input Power	1±1dBm
Max Input Power	+5dBm
Spurious	≤-65dBc
Harmonic	≥-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤8-10A
VCC/Current Reference	+28V/15A
Max Operation Voltage	+32V

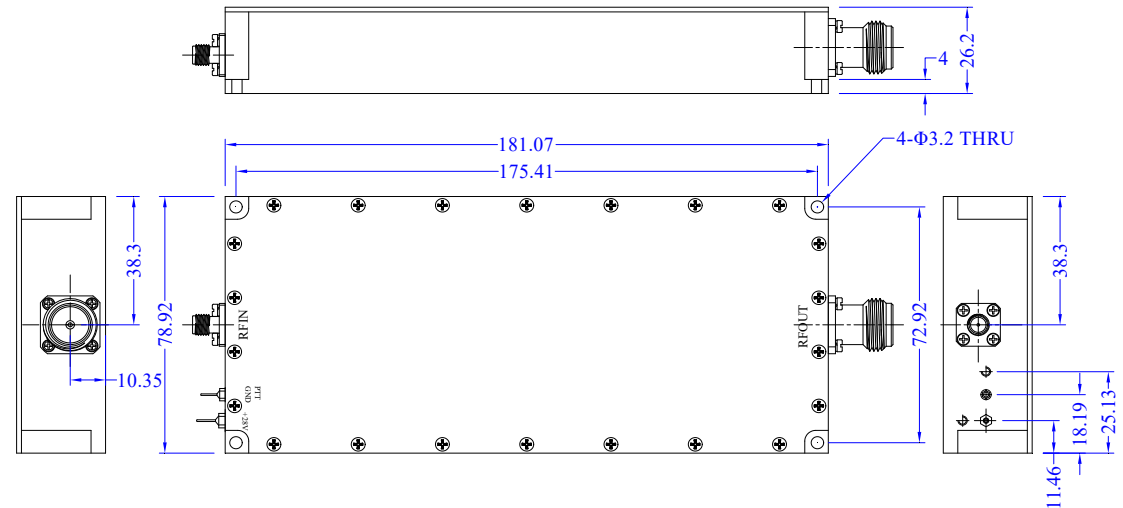
► Mechanical Data

Dimensions	181.07×78.92×26.2mm
Input Connector	SMA-Female
Output Connector	N-Female
32V Power Supply Interface	Feedthru Capacitor

► 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



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-
100MHz, Gain 50dB,
Output Power 100W,
+28V, SMA&N-Female

PART No.:
TMPA-00020010-5050

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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