

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/5/22	C. Chen

TECHNICAL DATA

Electrical Data

Frequency Range	2-6GHz
Max Output Power(CW)	$\geq 44 \pm 0.5 \text{ dBm}$
Gain	$\geq 47 \text{ dB}$
Gain Flatness	$\leq 4 \pm 1 \text{ dB}$
VSWR Input	≤ 2.0
Input Power	$3 \pm 2 \text{ dBm}$
Max Input Power	+10dBm
Spurious	$\leq -65 \text{ dBc}$
Harmonic	$\leq -10 \text{ dBc}$
Impedance	50 Ohms
PTT Port	Default OFF, 3.3-5V ON
Temperature Protection	Over 80°C protection with open circuit protection
Operation Current	$\leq 4 \text{ A}$
Voltage/Current Reference	+28V/6A
Max Operation Voltage	+30V

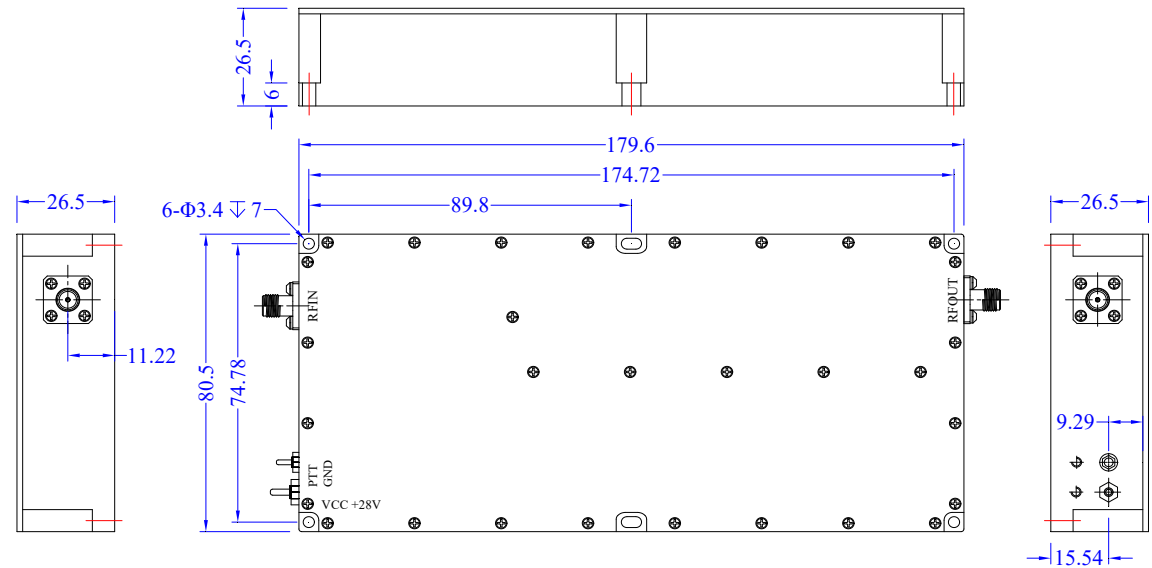
Mechanical Data

Dimensions	179.6×80.5×26.5mm
Input/Output Connectors	SMA-Female
Power Supply Interface	Feedthru Capacitor
Weight	$\leq 2 \text{ kg}$
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



DRAWN: L. Ma 22/05/22		
ENGINEER: J. Zhu 22/05/22		
APPROVED: C. Chen 22/05/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Power Amplifier, 2-6GHz,
Gain 47dB, Output Power
44dBm, +28V, SMA-
Female

PART No.:
TMPA-02000600-4744

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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