

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/11	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	9~10GHz
Max Output Power(Psat, CW)	≥43dBm
Gain	≥40dB
Spurious	≤-65dBc
Harmonic	≥-20dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80°C protection with open circuit protection
Operation Current	≤5-7A
VCC/Current Reference	+12V/12A
Max Operation Voltage	+13V

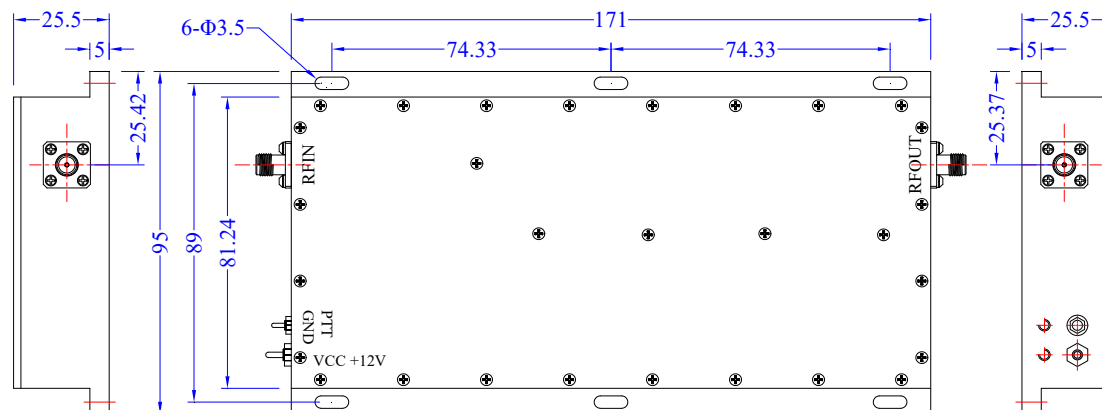
► Mechanical Data

Dimensions	171×95×25.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
12V Power Supply Interface	Feedthru Capacitor

► 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 11/04/22		
ENGINEER: J. Zhu 11/04/22		
APPROVED: C. Chen 11/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Power Amplifier, 9-10GHz, Gain 40dB, Output Power 20W, +12V, SMA-Female

PART No.:
TMPA-09001000-4043



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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