

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/8/11	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25°C)

Frequency Range	7.7~8.5GHz
Output Power(CW, Psat)	≥47dBm
Gain	≥46dB
Gain Flatness	≤2±1dB
Input VSWR	≤1.7:1
Input Power	2±1dBm
Harmonic@Worst point	≤-30dBc
Spurious	≤-65dBc
Temperature Protection	Over 80°C protection
PTT Port	Default OFF, 3.3-5V ON
Operating Voltage	+28V~+30V
Operating Current	≤7-8A
VCC/Current Reference	28V/10A

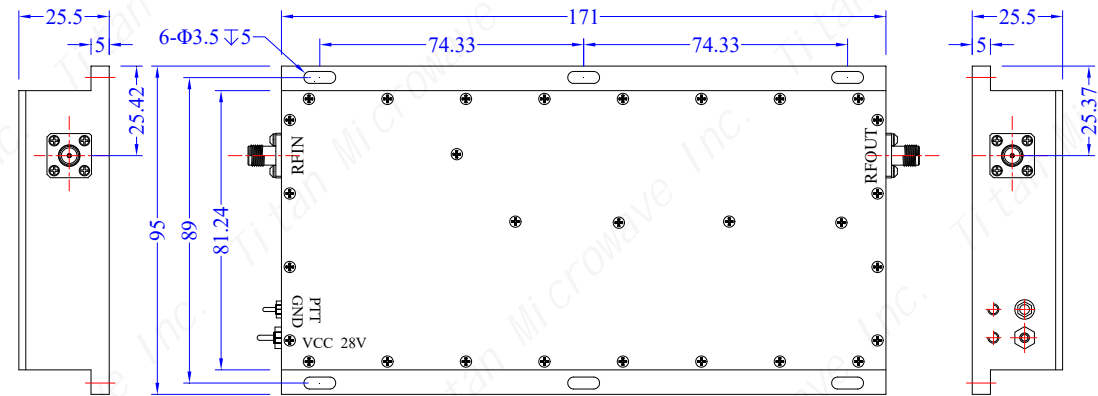
► Mechanical Data

Dimensions	171×95×25.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Connector	Feedthru Capacitor
Weight	600g max
Package	1 piece/box

► Environmental Data

Operating Temperature	-30°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 11/08/23		
ENGINEER: J. Zhu 11/08/23		
APPROVED: C. Chen 11/08/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 7.7-8.5GHz, Gain 46dB, Output Power 47dBm, +28V, SMA-Female

PART No.:

TMPA-07700850-4647



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DIMENSIONS IN MILLIMETERS(mm)

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