

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/5/20	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	1~500MHz
Max Output Power(Psat)	≥47dBm
Gain	≥45dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.8
Input Power	2±1dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≥-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection without open circuit protection
Operation Current	≤5-6.5A
Voltage/Current Reference	+32V/8A

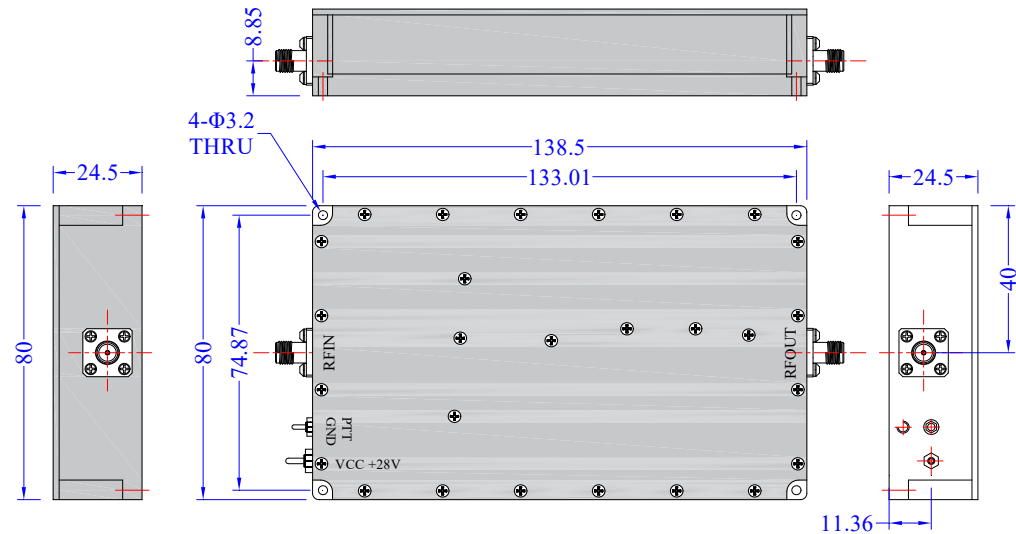
► Mechanical Data

Dimensions	138.5×80×24.5mm
Input Connector	SMA-Female
Output Connector	SMA-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



Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

DRAWN: L. Ma 20/05/22		
ENGINEER: J. Zhu 20/05/22		
APPROVED: C. Chen 20/05/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 1-
500MHz, Gain 45dB,
Output Power 47dBm,
+32V, SMA-Female

PART No.:

TMPA-1M500M-4547



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DIMENSIONS IN MILLIMETERS(mm)

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