

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/7/12	C. Chen

## TECHNICAL DATA

### ► Electrical Data(50Ω, 25°C)

Frequency Range	0.02~4GHz
Output Power(CW)	39dBm min, 41dBm typ
Gain	41dB min, 43dB typ
Gain Flatness	±2.0dB typ
Gain Variation@-30°C~+65°C	±3.0dB typ
Input VSWR	1.5:1 typ
Max Input Power	+3dBm
Harmonic	-10dBc typ
IMD3, 2-Tone(30dBm/Tone)	-20dBc typ(1MHz Spacing)
Spurious	-60dBc max
Isolation	-45dB typ
Operating Voltage	+28V typ, +30V max
Operating Current	0.5A typ, 2A max

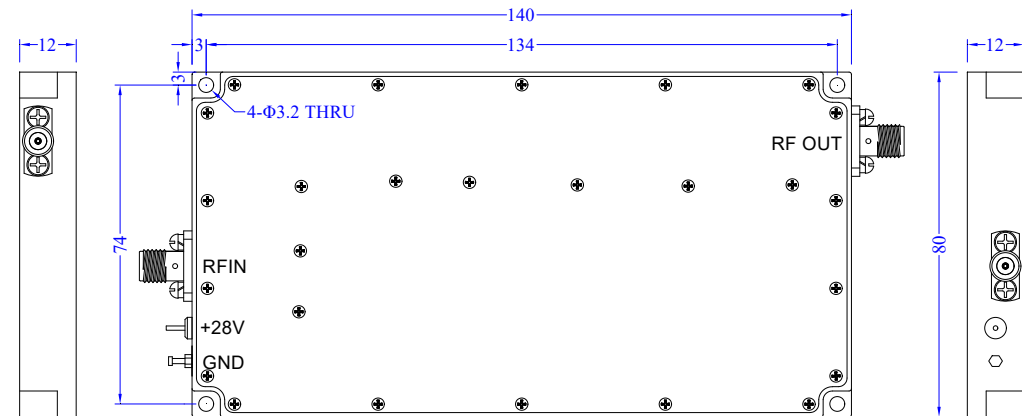
### ► Mechanical Data

Dimensions	140×80×12mm
Input Connector	SMA-Female
Output Connector	SMA-Female
DC Power/Interface Connector	Feedthru Capacitor

### ► Environmental Data

Operating Temperature	-30°C~+60°C
Storage Temperature	-50°C~+105°C

! Stress above these ratings may cause permanent damage to the device  
Radiator/Heatsink required during operation or test(optional)



#### Notes:

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

DRAWN: L. Ma 12/07/23		
ENGINEER: J. Zhu 12/07/23		
APPROVED: C. Chen 12/07/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

**TITLE:**  
Power Amplifier, 0.02-4GHz, Gain 43dB, Output Power 41dBm, +28V, SMA-Female

**PART No.:**  
TMPA-00020400-4341

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DIMENSIONS IN MILLIMETERS(mm)

<b>SIZE:</b> A4	<b>SCALE:</b>	<b>SHEET:</b> 1/1	<b>REV:</b> A
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