

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/5/16	C. Chen

## TECHNICAL DATA

### Electrical Data

Frequency Range	2~18GHz
Max Output Power(Psat, CW)	≥39dBm(8W)
Gain	≥40dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.7
Input Power	2±1dBm
Spurious	≤-65dBc
Harmonic(worst point)	≤-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3-5V ON
Temperature Protection	Over 80℃ protection
Operation Voltage	+28V~+30V
Operation Current	≤3A
VCC/Current Reference	28V/4A

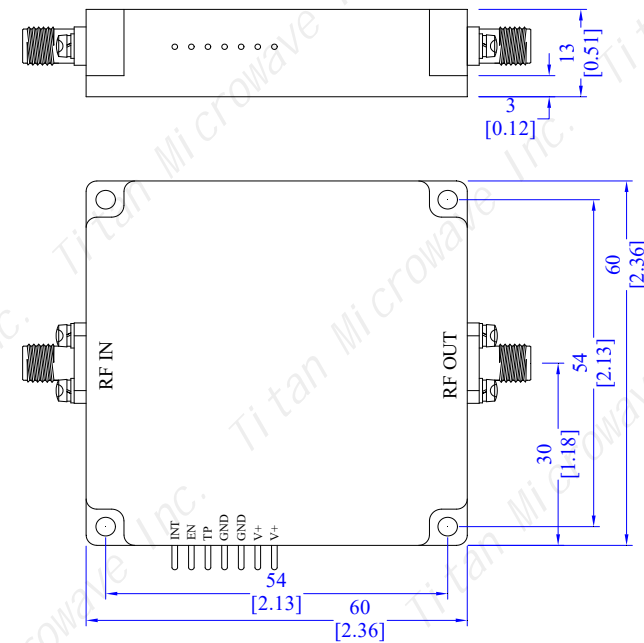
### Mechanical Data

Dimensions	60×60×13mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor
Package	1 piece/box
Weight	≤100g

### Environmental Data

Operating Temperature	-30℃~+55℃
-----------------------	-----------

! 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 16/05/22		
ENGINEER: J. Zhu 16/05/22		
APPROVED: C. Chen 16/05/22		
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-  
18GHz, Gain 40dB,  
Output Power 8W, +28V,  
SMA-Female

**PART No.:**  
TMPA-02001800-4039



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

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