

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/12/12	C. Chen

## TECHNICAL DATA

### ► Electrical Data(50Ω, 25°C)

Frequency Range	1~1000MHz
Output Power(CW)	+33dBm min
Gain	36dB min
Gain Flatness	±2.0dB typ
Gain Variation@-30°C~+65°C	±3.0dB typ
Input VSWR	1.5:1 typ
Max Input Power	+10dBm
Harmonic	-10dBc typ
IMD3, 2-Tone(30dBm/Tone)	-20dBc typ(1MHz Spacing)
Spurious	-60dBc max
Isolation	-45dB typ
Operating Voltage	+15V typ
Operating Current	250mA typ

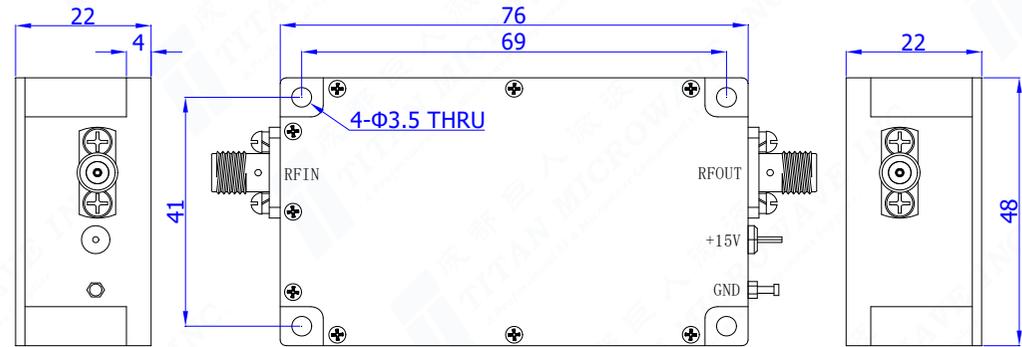
### ► Mechanical Data

Dimensions	76×48×22mm
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.



#### Notes:

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

DRAWN: L. Ma 12/12/25	<b>TITLE:</b> Power Amplifier, 1-1000MHz, Gain 30dB, Output Power 33dBm, +15V, SMA-Female	 <b>成都巨人微波</b> <b>TITAN MICROWAVE INC.</b> <small>- A Professional RF &amp; Microwave Components Supplier -</small>				
ENGINEER: J. Zhu 12/12/25					<a href="http://www.titan-microwave.com">www.titan-microwave.com</a>	
APPROVED: C. Chen 12/12/25		<b>PART No.:</b> TMPA-1M1000M-3033	 DIMENSIONS IN MILLIMETERS(mm)	<b>SIZE:</b> A4		
TOLERANCE UNLESS OTHERWISE SPECIFIED						
x	±0.50	[0.019"]				
.x	±0.20	[0.008"]				
.xx	±0.10	[0.004"]				
ANGLES	±1°					