

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	10~1000MHz
Output Power(CW)	40dBm min, 42dBm typ
Gain	32dB min, 35dB typ
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	+28V typ, +30V max
Operating Current	0.25A typ, 2A max

### ► Mechanical Data

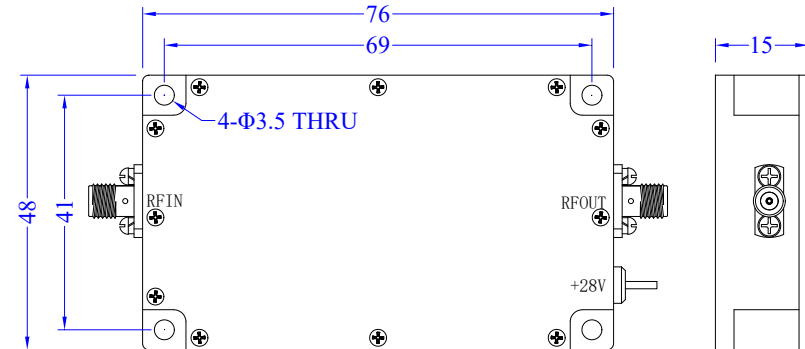
Dimensions	76×48×15mm
Input Connector	SMA-Female
Output Connector	SMA-Female
DC Power/Interface Connector	Feedthru Capacitor

### ► 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 11/08/23	TITLE: Power Amplifier, 10-1000MHz, Gain 35dB, Output Power 42dBm, +28V, 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 11/08/23					<a href="http://www.titan-microwave.com">www.titan-microwave.com</a>
APPROVED: C. Chen 11/08/23		 DIMENSIONS IN MILLIMETERS(mm)			
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.:	SIZE:	SCALE:	SHEET:	REV:
x ±0.50 [0.019"]	TMPA-00010100-3542	A4		1/1	A
.x ±0.20 [0.008"]					
.xx ±0.10 [0.004"]					
ANGLES ±1°					