

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	1~1000MHz
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

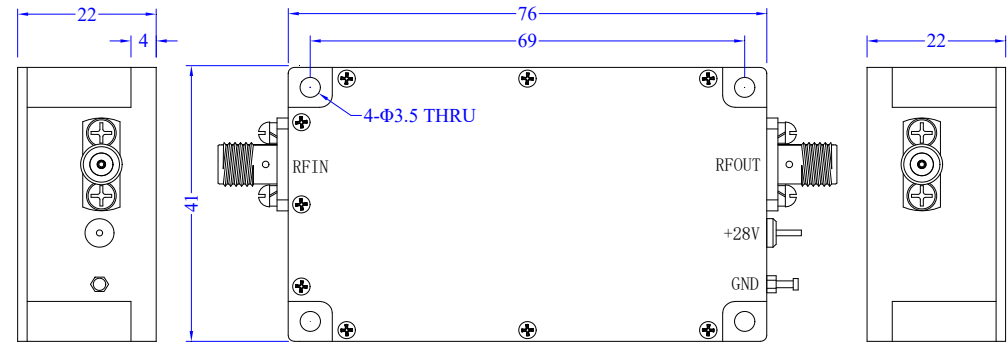
► Mechanical Data

Dimensions	76×48×22mm
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(optional, 24V/0.3A)



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, 1-1000MHz, Gain 35dB, Output Power 42dBm, +28V, SMA-Female	 www.titan-microwave.com		
ENGINEER: J. Zhu 11/08/23				
APPROVED: C. Chen 11/08/23				
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.: TMPA-1M1000M-3542	 DIMENSIONS IN MILLIMETERS(mm)		
x ±0.50 [0.019"]		SIZE: A4	SCALE:	SHEET: 1/1
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]				
ANGLES ±1°				