

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)	39dBm min, 40dBm 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

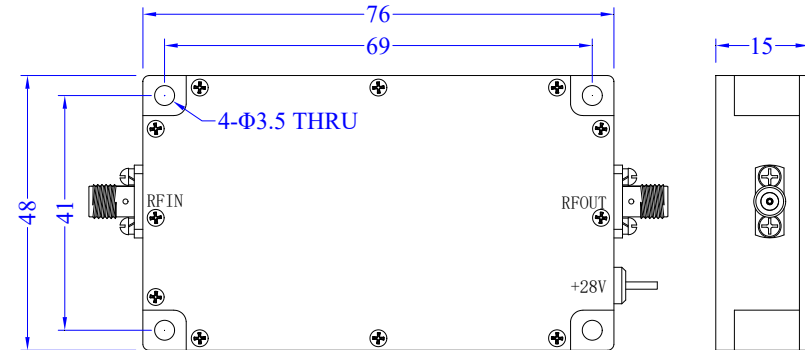
► Mechanical Data

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 40dBm, +28V, SMA-Female	 TITAN MICROWAVE INC. <small>- A Professional RF & Microwave Components Supplier -</small> www.titan-microwave.com														
ENGINEER: J. Zhu 11/08/23																
APPROVED: C. Chen 11/08/23																
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.: TMPA-00010100-3540	DIMENSIONS IN MILLIMETERS(mm)														
<table> <tbody> <tr> <td>x</td> <td>±0.50</td> <td>[0.019"]</td> </tr> <tr> <td>.x</td> <td>±0.20</td> <td>[0.008"]</td> </tr> <tr> <td>.xx</td> <td>±0.10</td> <td>[0.004"]</td> </tr> <tr> <td>ANGLES</td> <td>±1°</td> <td></td> </tr> </tbody> </table>		x	±0.50	[0.019"]	.x	±0.20	[0.008"]	.xx	±0.10	[0.004"]	ANGLES	±1°		SIZE: A4	SCALE:	SHEET: 1/1
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