

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/6/10	C. Chen

TECHNICAL DATA

► Electrical Data

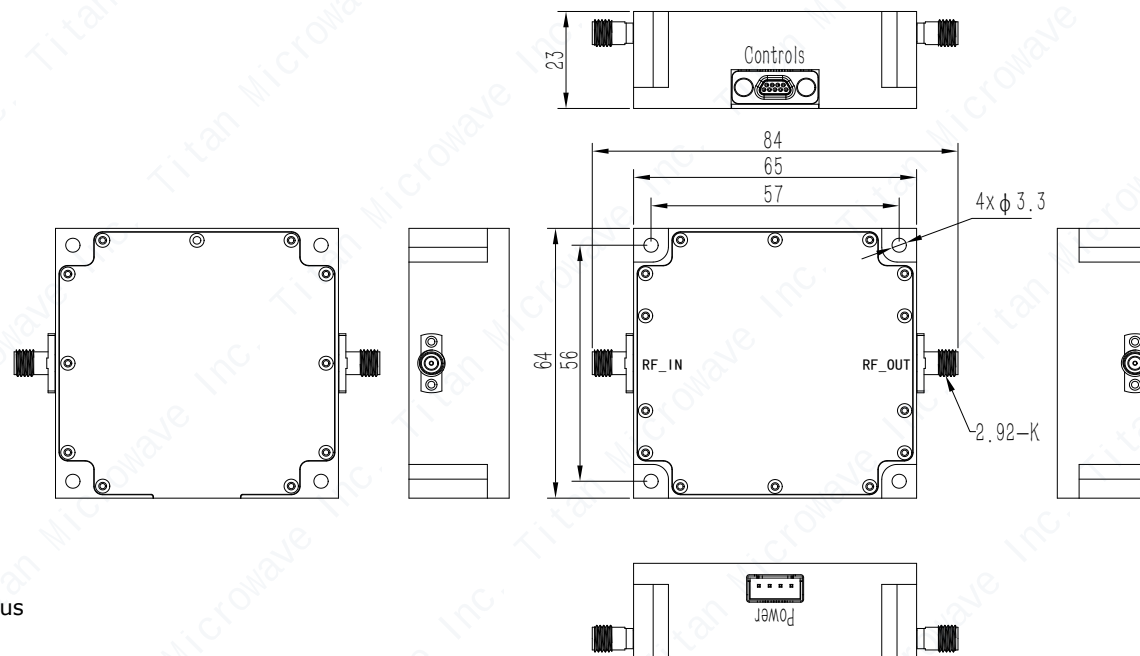
Frequency Range	18~40GHz
Saturated RF Output(Psat)	≥40dBm(10W, CW)
Small Signal Gain	≥40dB
Gain Window	40~52dB
Noise Figure	≤6dB
Harmonic Rejection	≤-10dBc@18~40GHz
Input/Output VSWR	≤2:1
RF Input Signal Format	AM, FM, CW, Pulse
RF Input without damage	≤10dBm
Power Supply	+24V±1V
Input Power Consumption	≤100W

► Mechanical Data

Dimensions(w/ connectors)	≤84×64×23mm
Input/Output Connectors	2.92mm-Female
Mounting Holes	4×φ3.3mm Through Holes
Controls/status	Micro-D Connector
	I. Controls: SSPA Enable
	II. Status: RF Output and Pulse Status

► Environmental Data

Operating Temperature	-10℃~+60℃
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Notes:

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

DRAWN: L. Ma 10/06/25	TITLE: Power Amplifier, 18-40GHz, Gain 40dB, Psat 40dBm, Noise Figure 6dB, +24V, 2.92mm-Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier - www.titan-microwave.com		
ENGINEER: J. Zhu 10/06/25				
APPROVED: C. Chen 10/06/25				
TOLERANCE UNLESS OTHERWISE SPECIFIED				
x ±0.50 [0.019"]	PART No.: TMPA-18004000-4040K	 DIMENSIONS IN MILLIMETERS(mm)		
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]				
ANGLES ±1°				
		SIZE: A4	SCALE:	SHEET: 1/1
				REV: A