

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/2/6	C. Chen

TECHNICAL DATA(@25°C)

► Electrical Data

Frequency Range	18~40GHz
Output Power(P1dB)	+10dBm min, +12dBm typ
Small Signal Gain	40dB min
Gain Flatness	±1.5dB max
Noise Figure	1.5dB typ, 2.8dB max
Input VSWR	1.8:1 typ, 2:1 max
Output VSWR	1.8:1 typ, 2:1 max
Impedance	50 Ohms
Voltage	+9V min, +12V typ, +15V max
Current	120mA typ

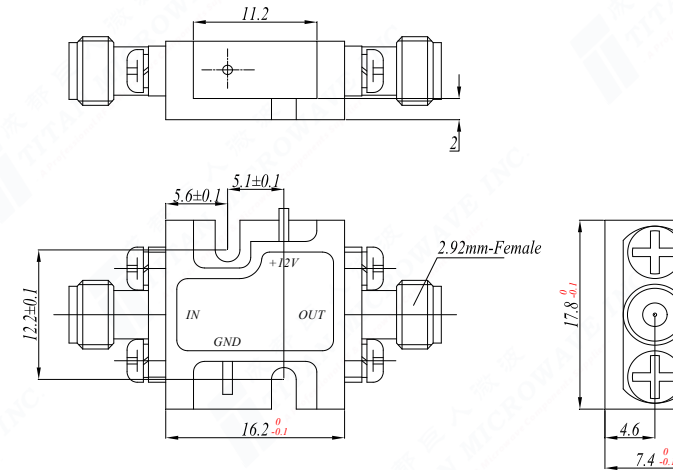
► Mechanical Data

Dimensions	16.2×17.8×7.4mm
Input Connector	2.92mm-Female
Output Connector	2.92mm-Female
Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-40℃~+70℃
Storage Temperature	-55℃~+100℃

- 1) The products undergo temperature cycling tests.
2) The products are sealed using laser welding.



Notes:

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

DRAWN: L. Ma 06/02/26			TITLE: Low Noise Amplifier 18-40GHz, Gain 40dB, P1dB 10dBm, Noise Figure 2.8dB, +12V, 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 06/02/26						
APPROVED: C. Chen 06/02/26						
TOLERANCE UNLESS OTHERWISE SPECIFIED						
x	±0.50	[0.019"]	PART No.: TMLA-18004000-4010-28	DIMENSIONS IN MILLIMETERS(mm)		
.x	±0.20	[0.008"]				
.xx	±0.10	[0.004"]				
ANGLES	±1°					
			SIZE:	SCALE:	SHEET:	REV:
			A4		1/1	A