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

TECHNICAL DATA(@25℃)

▶ Electrical Data

Frequency Range	1~18GHz
Output Power(P1dB)	+10dBm min, +12dBm typ
Small Signal Gain	40dB min
Gain Flatness	±1.5dB max
Noise Figure	1.5dB typ, 2.5dB 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

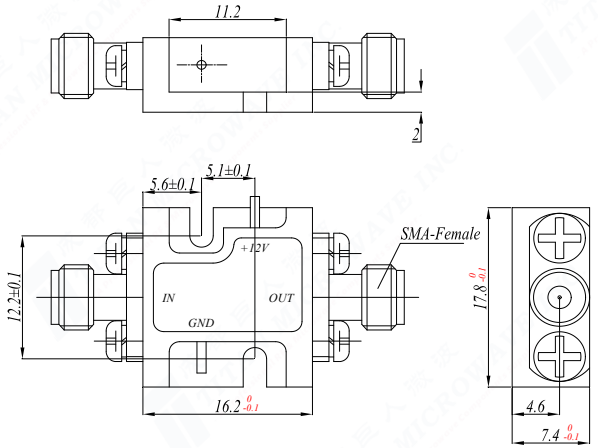
Dimensions	16.2×17.8×7.4mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor

▶ 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 1-18GHz, Gain 40dB, P1dB 10dBm, Noise Figure 2.5dB, +12V, SMA-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"] .x ±0.20 [0.008"] .xx ±0.10 [0.004"] ANGLES ±1°	PART No.: TMLA-01001800-4010-25	DIMENSIONS IN MILLIMETERS(mm)

SIZE:	SCALE:	SHEET:	REV:
A4		1/1	A