REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/4/22	C. Chen

TECHNICAL DATA

▶ Electrical Data(25°C, 50Ω)

Frequency Range	8~12GHz
Output Power(P1dB)	21dBm min, 22dBm typ
Output Power(OIP3)	25dBm typ
Small Signal Gain	24dB min, 28dB typ
Gain Flatness	±1.0dB typ, ±1.5dB max
Noise Figure	3dB typ, 5dB max
Max RF Input Power	+15dBm max
Impedance	50 Ohms
VSWR	1.8:1 typ, 2.0:1 max
DC Power Supply	+11V~+15V
Current	180mA typ

▶ Mechanical Data

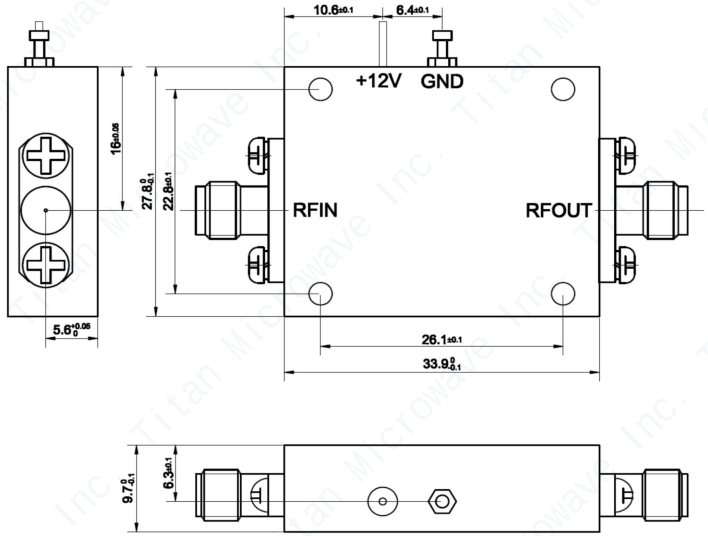
Dimensions	33.9×27.8×9.7mm max
Input Connector	SMA-Female
Output Connector	SMA-Female
12V Power Supply Interface	Feedthru Capacitor

▶ Environmental Data

Operating Temperature	-40℃~+85℃
Storage Temperature	-55℃~+125℃

▶ Absolute Maximum Ratings

Power Supply	+11V~+16V
Input Power(CW)	+18dBm
Operating Temperature	-54℃~+90℃



Notes:

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

DRAWN: L. Ma 22/04/25	TITLE: Low Noise Amplifier 8-12GHz, Gain 24dB, Output Power(P1dB) 21dBm, Noise Figure 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 22/04/25		
APPROVED: C. Chen 22/04/25		DIMENSIONS IN MILLIMETERS(mm)
TOLERANCE UNLESS OTHERWISE SPECIFIED x ±0.50 [0.019"] .x ±0.20 [0.008"] .xx ±0.10 [0.004"] ANGLES ±1°	PART No.: TMLA-08001200-2421P	SIZE: A4 / SCALE: / SHEET: 1/1 / REV: A