

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/1/22	C. Chen

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

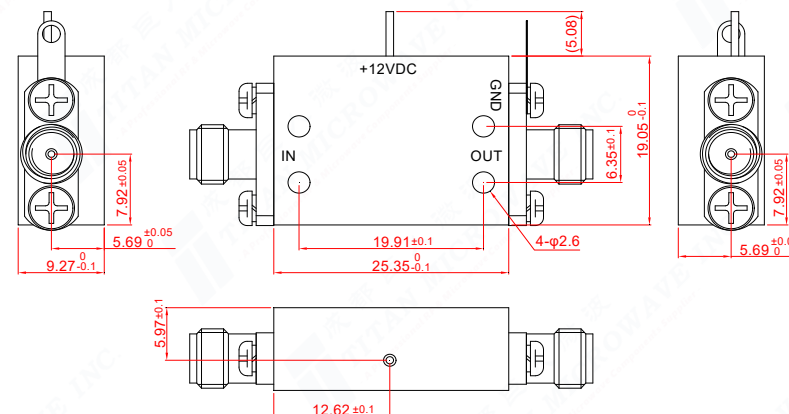
Frequency Range	2200~2300MHz
Output Power(P1dB)	+5dBm min, +10dBm typ
Small Signal Gain	40dB min
Gain Flatness	±0.5dB max
Gain Variation with Temperature	±1.0dB max
Noise Figure	0.7dB typ, 1.0dB max
Impedance	50 Ohms
Input VSWR	1.5:1 max
Output VSWR	1.5:1 max
Operating Voltage	+9V min, +12V typ, +15V max
Operating Current	120mA typ

► Mechanical Data

Dimensions	25.35×19.05×9.27mm
Input/Output Connectors	SMA-Female(removable)
12V Power Supply Interface	Feedthru Capacitor
Surface Finishing	Gray Painted and Laser Sealing

► Environmental Data

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



Notes:

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

DRAWN: L. Ma 22/01/26		
ENGINEER: J. Zhu 22/01/26		
APPROVED: C. Chen 22/01/26		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Low Noise Amplifier,
2.2-2.3GHz, Gain 40dB,
P1dB 5dBm, Noise Figure
1.0dB, +12V, SMA-Female

PART No.:
TMLA-02200230-4005-10

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DIMENSIONS IN MILLIMETERS(mm)

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