

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

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

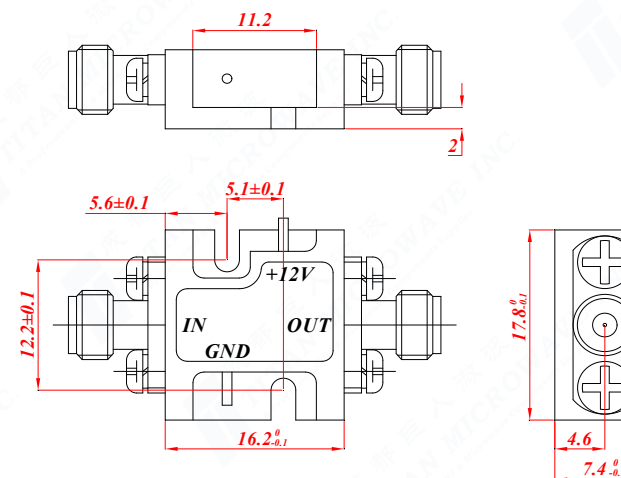
Frequency Range	22000~31000MHz
Output Power(P1dB)	+7dBm min, +10dBm typ
Small Signal Gain	25dB min, 30dB typ
Gain Flatness	±1.0dB max
Noise Figure	2.2dB typ, 3.0dB max
Impedance	50 Ohms
Input VSWR	1.8:1 typ, 2.0:1 max
Output VSWR	1.8:1 typ, 2.0:1 max
Operating Voltage	+9V min, +12V typ, +15V max
Operating Current	100mA typ

► Mechanical Data

Dimensions	16.2×17.8×7.4mm
Input/Output Connectors	2.92mm-Female
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,
22-31GHz, Gain 30dB,
P1dB 10dBm, Noise Figure
3dB, +12V,
2.92mm-Female

PART No.:

TMLA-22003100-3010-30



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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