

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/4/21	C. Chen

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

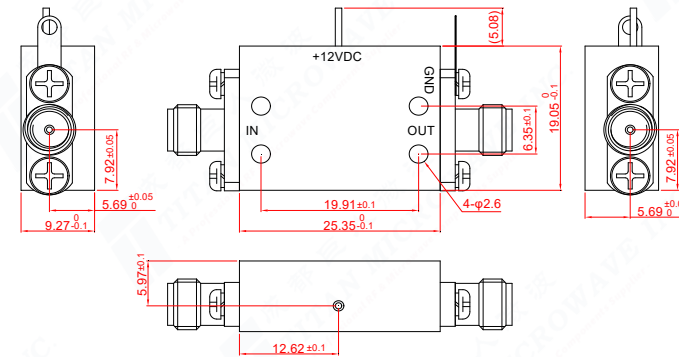
Frequency Range	0.1~20GHz
Output Power(P1dB)	+17dBm min
Small Signal Gain	25dB min, 30dB typ
Gain Flatness	±2.0dB max
Noise Figure	2.5dB typ, 5.0dB max@0.1~0.5GHz 2.0dB typ, 4.0dB max@0.5~20GHz
Impedance	50 Ohms
VSWR	1.5:1 typ, 1.8:1 max
Spurious	60dBc min
RF Input Power	20dBm max
Operating Voltage	+12V typ
Operating Current	120mA typ

► Mechanical Data

Dimensions	25.35×19.05×9.27mm
Input/Output Connectors	SMA-Female
12V Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-5°C~+40°C
Storage Temperature	-55°C~+100°C



Notes:

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

DRAWN: L. Ma 21/04/26		
ENGINEER: J. Zhu 21/04/26		
APPROVED: C. Chen 21/04/26		
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,
0.1-20GHz, Gain 25dB,
P1dB 17dBm, Noise Figure
5dB, +12V, SMA-Female

PART No.:
TMLA-00102000-2517-50

成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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