

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/1/4	C. Chen

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

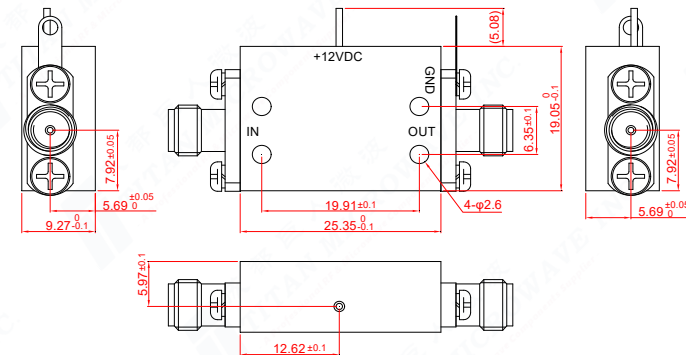
Frequency Range	1~1000MHz
Output Power(P1dB)	+5dBm min, +10dBm typ
OIP3	+16dBm typ
Small Signal Gain	20dB min
Gain Flatness	±1.5dB typ
Noise Figure	1.5dB typ, 3.0dB max@1~10MHz (Design-verify, not production test)
	1.5dB typ, 3.0dB max@10~1000MHz
Impedance	50 Ohms
Input VSWR	1.5:1 typ, 2.2:1 max@1~10MHz 1.3:1 typ, 1.8:1 max@10~1000MHz
Output VSWR	1.5:1 typ, 2.0:1 max
Operating Voltage	+9V min, +12V typ, +15V max
Operating Current	80mA 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	-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 04/01/26
ENGINEER: J. Zhu 04/01/26
APPROVED: C. Chen 04/01/26
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,
1-1000MHz, Gain 20dB,
P1dB 5dBm, Noise Figure
3dB, +12V, SMA-Female

PART No.:
TMLA-1M1000M-2005-30

 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -			
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 DIMENSIONS IN MILLIMETERS(mm)			
SIZE: A4	SCALE:	SHEET: 1/1	REV: A