

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2026/1/6	C. Chen

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

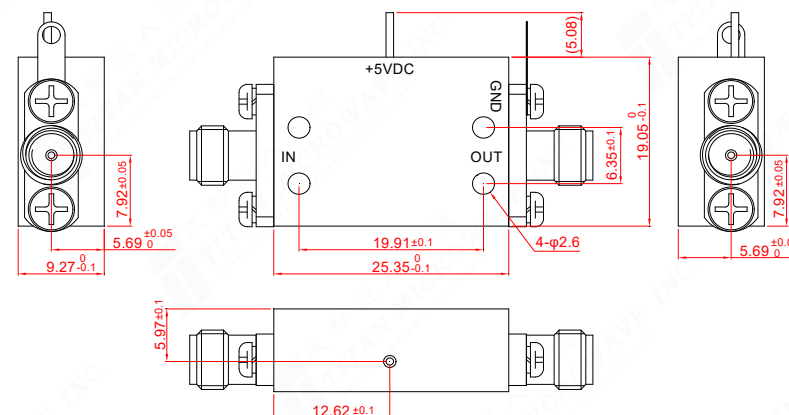
Frequency Range	500~2500MHz
Output Power(P1dB)	+15dBm min
Small Signal Gain	30dB min
Gain Flatness	±1.2dB max
Noise Figure	2.0dB typ, 3.5dB max
Impedance	50 Ohms
Input VSWR	1.8:1 typ, 2.2:1 max
Output VSWR	1.8:1 typ, 2.2:1 max
OIP3	27dBm typ
RF Input Power	+5dBm max
Operating Voltage	+4V~+6V
Operating Current	150mA typ

► Mechanical Data

Dimensions	25.35×19.05×9.27mm
Input/Output Connectors	SMA-Female
5V Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-20℃~+65℃
Storage Temperature	-40℃~+85℃



Notes:

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

DRAWN: L. Ma 06/01/26		
ENGINEER: J. Zhu 06/01/26		
APPROVED: C. Chen 06/01/26		
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,
0.5-2.5GHz, Gain 30dB,
P1dB 15dBm, Noise Figure
3.5dB, +5V, SMA-Female

PART No.:

TMLA-00500250-3015-35



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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