

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

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

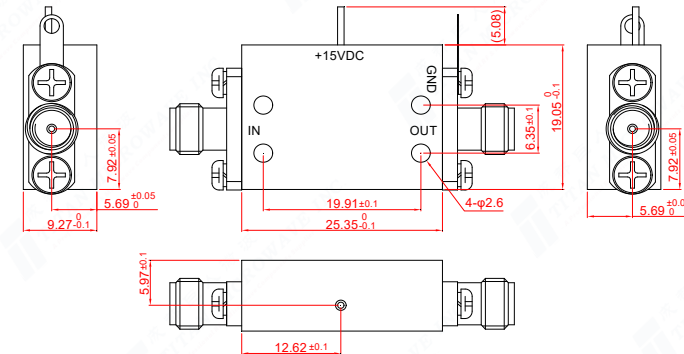
Frequency Range	50~1000MHz
Output Power(P1dB)	+15dBm min
Small Signal Gain	30dB min
Gain Flatness	±1.2dB max
Noise Figure	1.5dB typ, 1.9dB max@100~1000MHz 2.5dB max@50~100MHz
Impedance	50 Ohms
Input VSWR	1.5:1 typ, 1.8:1 max
Output VSWR	1.5:1 typ, 1.8:1 max
Reverse Isolation	50dB min
Spurious	-60dBc max
RF Input Power	+15dBm max
Operating Voltage	+12V~+15V
Operating Current	200mA typ

► Mechanical Data

Dimensions	25.35×19.05×9.27mm
Input/Output Connectors	SMA-Female
15V Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-40℃~+60℃
Storage Temperature	-55℃~+85℃



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, 0.05-1GHz, Gain 30dB, P1dB 15dBm, Noise Figure 1.9dB, +15V, SMA-Female	PART No.:		
	TMLA-00050100-3015-19		

 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