

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/6/30	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25°C)

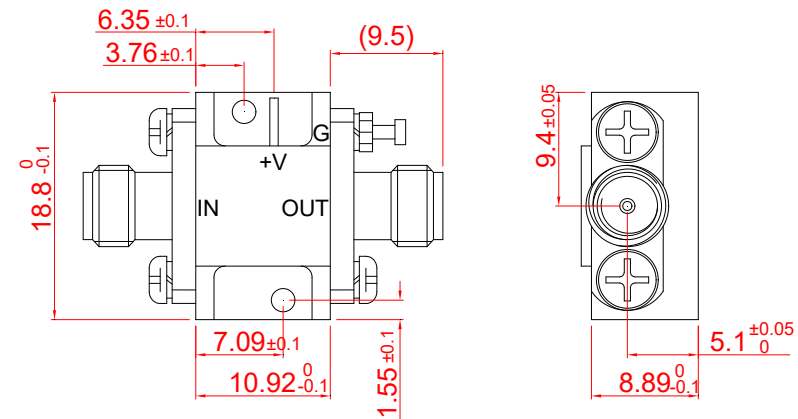
Frequency Range	1160~1610MHz
Small Signal Gain	27dB min, 28dB typ
Gain Flatness	±0.25dB typ, ±0.5dB max
Output Power(P1dB)	+5dBm min, +12dBm typ
OIP3	+15dBm min, +25dBm typ
Noise Figure	0.6dB typ, 1.0dB max
Input/Output VSWR	1.5:1 typ, 1.8:1 max
Impedance	50 Ohms
Max Input Power	+10dBm max
Voltage	+5.5V min, +6V max
Current	40mA typ, 60mA max

► Mechanical Data

Dimensions	10.92×18.8×8.89mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Surface Finish	Nickel Plated

► Environmental Data

Operating Temperature	-20℃~+85℃
Storage Temperature	-40℃~+100℃



Notes:

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

DRAWN: L. Ma 30/06/25			TITLE: Low Noise Amplifier 1.16-1.61GHz, Gain 27dB, P1dB 5dBm, Noise Figure 1dB, +6V, SMA-Female		成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -		www.titan-microwave.com	
ENGINEER: J. Zhu 30/06/25								
APPROVED: C. Chen 30/06/25								
TOLERANCE UNLESS OTHERWISE SPECIFIED			PART No.: TMLA-01160161-2705-10		DIMENSIONS IN MILLIMETERS(mm)		SIZE: A4 SCALE: SHEET: 1/1 REV: A	
x	±0.50	[0.019"]						
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°							