

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/5/12	C. Chen

TECHNICAL DATA

► Electrical Data

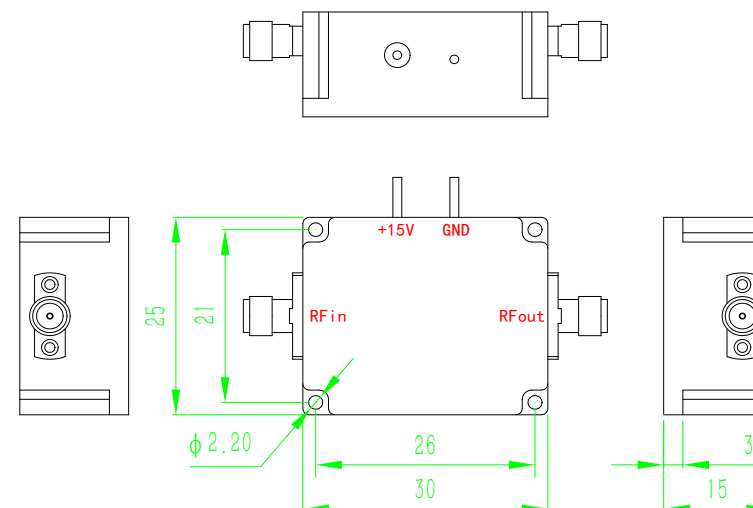
Frequency Range	0.1~20GHz
Output Power(P1dB)	+17dBm min
Gain	24dB min
Gain Flatness	±2dB max
Noise Figure	5.0dB max@0.1~0.5GHz
	4.0dB max@0.5~20GHz
Input/Output VSWR	1.8:1 max
Spurious	60dBc min
Impedance	50 Ohms
DC Voltage	+15V
Current	300mA
Power Dissipation	3W max

► Mechanical Data

Dimensions	30×25×15mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor
Surface Finish	Conductive Oxidation

► Environmental Data

Operating Temperature	-20℃~+70℃
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DRAWN: L. Ma 12/05/25			TITLE: Low Noise Amplifier 0.1-20GHz, Gain 24dB, P1dB 17dBm, Noise Figure 5.0dB, +15V SMA-Female PART No.: TMLA-00102000-2417-50B		成都巨人微波 TITAN MICROWAVE INC. A Professional RF & Microwave Components Supplier www.titan-microwave.com	
ENGINEER: J. Zhu 12/05/25						
APPROVED: C. Chen 12/05/25						
TOLERANCE UNLESS OTHERWISE SPECIFIED						
x	±0.50	[0.019"]	DIMENSIONS IN MILLIMETERS(mm)		SIZE: A4 SCALE: SHEET: 1/1 REV: A	
.x	±0.20	[0.008"]				
.xx	±0.10	[0.004"]				
ANGLES	±1°					

Notes:

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