

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/2/14	C. Chen

## TECHNICAL DATA

### ► Electrical Data

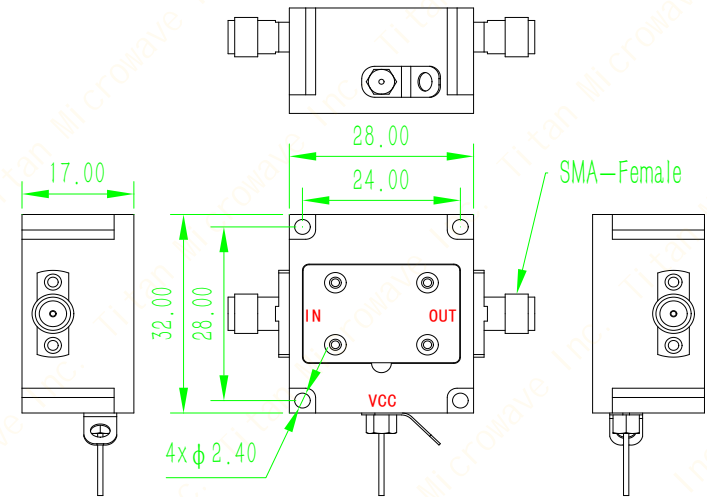
Frequency Range	0.1~20GHz
Output Power(P1dB)	+17dBm min
Gain	24dB min
Noise Figure	5.0dB max@0.1~0.5GHz 4.0dB max@0.5~20GHz
Input/Output VSWR	2.0:1 max
Impedance	50 Ohms
DC Voltage	+12V
Current	300mA

### ► Mechanical Data

Dimensions	28×32×17mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor
Surface Finish	Conductive Oxidation

### ► Environmental Data

Operating Temperature	-35℃~+75℃
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DRAWN: L. Ma 14/02/25		
ENGINEER: J. Zhu 14/02/25		
APPROVED: C. Chen 14/02/25		
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  
0.1-20GHz, Gain 24dB, P1dB  
17dBm, Noise Figure 5.0dB,  
+12V  
SMA-Female

#### PART No.:

TMLA-00102000-2417-50A



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DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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#### Notes:

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