

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2024/6/11	C. Chen

## TECHNICAL DATA

### ► Electrical Data

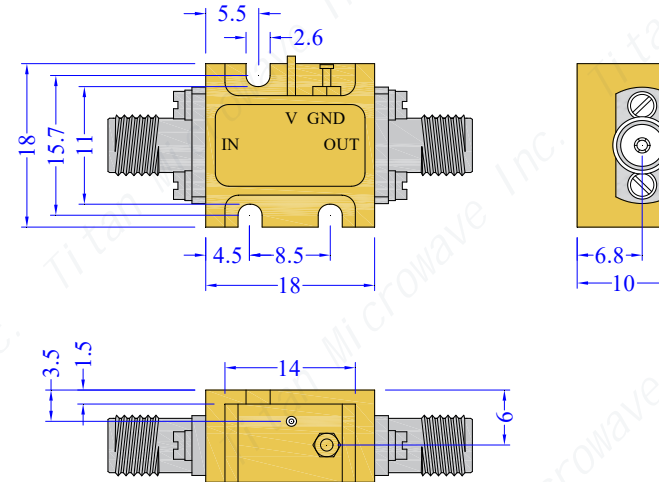
Frequency Range	0.1~3GHz
Output Power(P1dB)	15dBm min
Gain	20dB min
Gain Flatness	±1.5dB max
Noise Figure	1.2dB typ, 1.5dB max
VSWR	1.6:1 typ, 2.0:1 max
OIP3	30dBm min
Impedance	50 ohms
Voltage	+12V
Current	100mA

### ► Mechanical Data

Dimensions	18×18×10mm
Input/Output Connectors	SMA-Female(stainless steel)
Surface Finish	Gold Plated

### ► Environmental Data

Operating Temperature	-40℃~+70℃(design assurance)
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#### Notes:

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

DRAWN: L. Ma 11/06/24		
ENGINEER: J. Zhu 11/06/24		
APPROVED: C. Chen 11/06/24		
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, 0.1-3GHz, Gain 20dB, P1dB 15dBm, Noise Figure 1.5dB, +12V, SMA-Female

#### PART No.:

TMLA-00100300-2015-15



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DIMENSIONS IN MILLIMETERS(mm)

SIZE:  
A4

SCALE:

SHEET:  
1/1

REV:  
A