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

TECHNICAL DATA

▶ Electrical Data

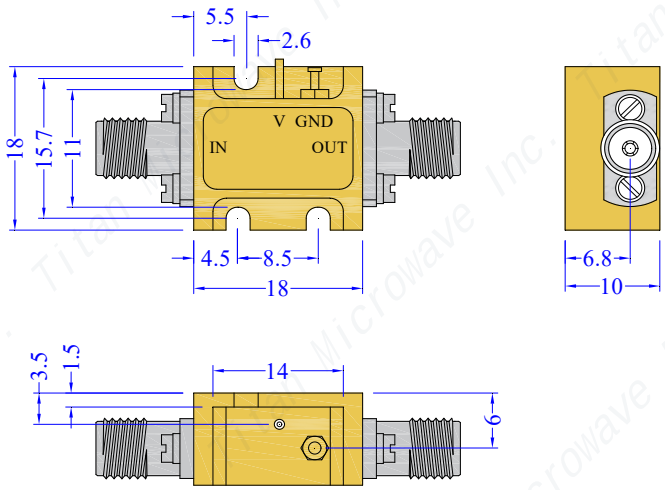
Frequency Range	15~25GHz
Output Power(P1dB)	3dBm min
Gain	18dB min
Gain Flatness	±1.5dB max
Noise Figure	2.2dB typ, 2.8dB max
VSWR	2.0:1 typ, 2.4:1 max
Reverse Isolation	45dB
Impedance	50 ohms
Voltage	+12V
Current	100mA

▶ 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)



Notes:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. 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, 15-25GHz, Gain 18dB, P1dB 3dBm, Noise Figure 2.8dB, +12V, SMA-Female

PART No.:
TMLA-15002500-1803-28

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DIMENSIONS IN MILLIMETERS(mm)

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