

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/2/12	C. Chen

TECHNICAL DATA

► Electrical Data

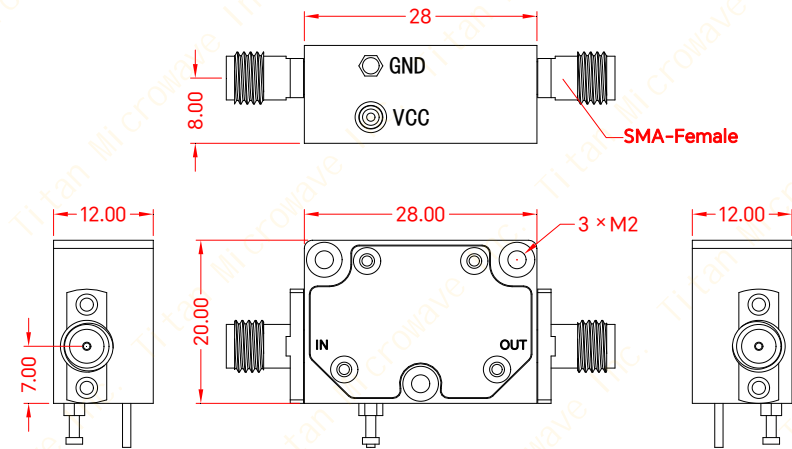
Frequency Range	1~18GHz
Output Power(P1dB)	+15dBm min
Gain	31dB min, 33~35dB typ
Gain Variation	±1.8dB max@1~18GHz
Noise Figure	2.5dB max@25°C
Input/Output VSWR	2:1 max
Max Input Power	+10dBm max
Impedance	50 Ohms
DC Voltage	+12V
Current	250mA max

► Mechanical Data

Dimensions	28×20×12mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor
Surface Finish	Conductive Oxidation

► Environmental Data

Operating Temperature	-35°C~+75°C
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DRAWN: L. Ma 12/02/25		
ENGINEER: J. Zhu 12/02/25		
APPROVED: C. Chen 12/02/25		
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
 1-18GHz, Gain 31dB, P1dB
 15dBm, Noise Figure 2.5dB,
 +12V, SMA-Female

PART No.:
 TMLA-01001800-3115-25



www.titan-microwave.com



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