

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

TECHNICAL DATA

► Electrical Data(@50Ω, 25°C)

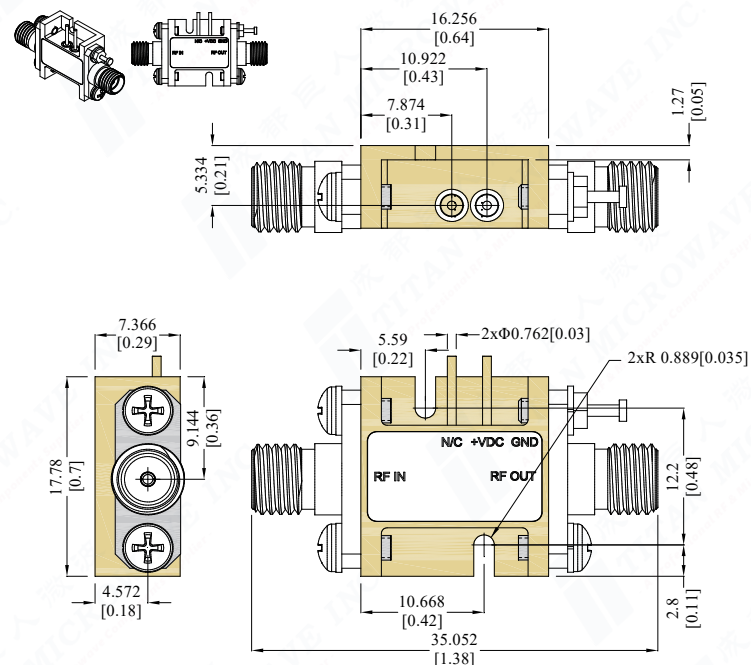
Frequency Range	2~18GHz
Output Power(P1dB)	+20dBm min
Small Signal Gain	20dB min
Gain Flatness	±2.5dB max
Noise Figure	5.0dB max
Impedance	50 Ohms
Input VSWR	2.5:1 max
Output VSWR	2.5:1 max
Max RF Input Power	+10dBm max
Voltage	+12V
Current	200mA typ

► Mechanical Data

Dimensions	16.25×17.78×7.36mm
Input/Output Connectors	SMA-Female
Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-40℃~+85℃
-----------------------	-----------



DRAWN: L. Ma 05/12/25
ENGINEER: J. Zhu 05/12/25
APPROVED: C. Chen 05/12/25
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,
2-18GHz, Gain 20dB, P1dB
20dBm, Noise Figure 5dB,
+12V, SMA-Female

PART No.:
TMLA-02001800-2020-50



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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

Notes:

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