

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/6/4	C. Chen

TECHNICAL DATA(@25°C)

► Electrical Data

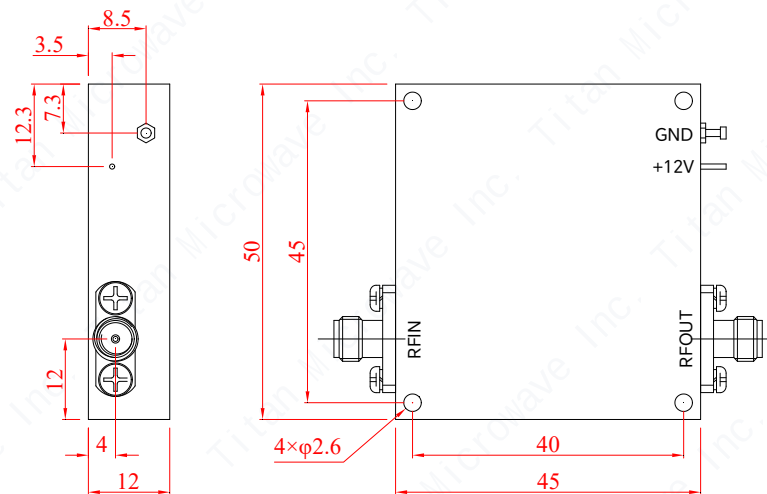
Frequency Range	2~18GHz
Output Power(P1dB)	+27dBm min, +28dBm typ
Small Signal Gain	30dB min
Gain Flatness	±1.5dB typ, ±2.5dB max
Noise Figure	2.5dB typ, 4dB max
Input/Output VSWR	1.8:1 typ, 2:1 max
Impedance	50 Ohms
Voltage	+12V typ
Current	550mA typ

► Mechanical Data

Dimensions	45×50×12mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-40℃~+70℃
Storage Temperature	-55℃~+100℃



Notes:

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

DRAWN: L. Ma 04/06/25
ENGINEER: J. Zhu 04/06/25
APPROVED: C. Chen 04/06/25
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 30dB, P1dB
27dBm, Noise Figure 4dB,
+12V, SMA-Female

PART No.:

TMLA-02001800-3027-40



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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