

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

TECHNICAL DATA

► Electrical Data

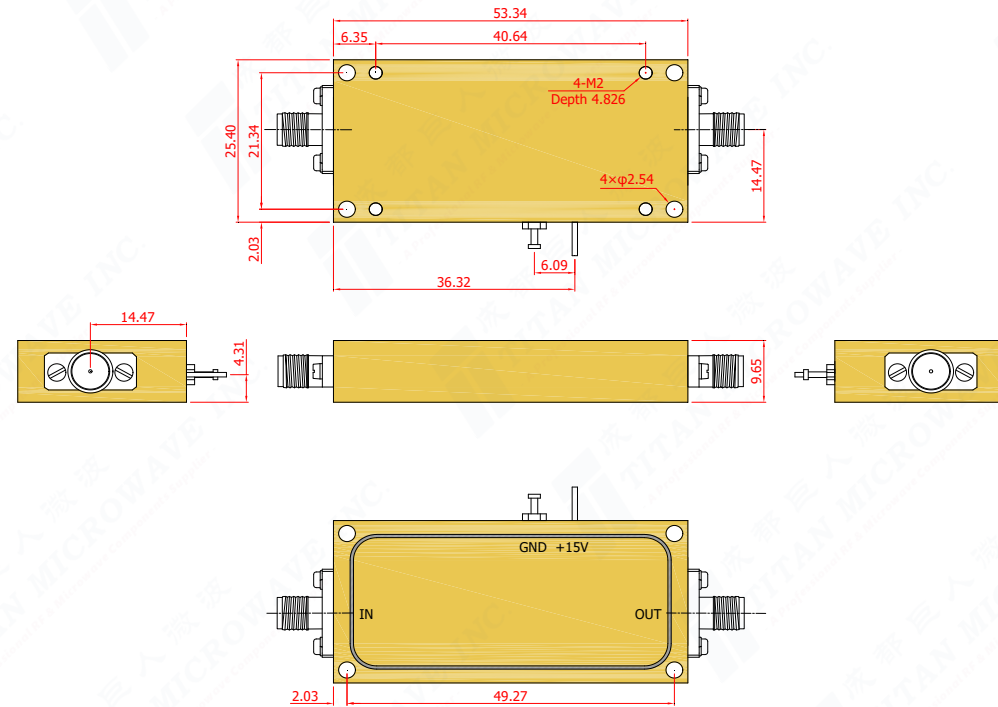
Frequency Range	7.5~18GHz
Gain	30dB min
Gain Flatness	±2.0dB max
Noise Figure	6dB max
P1dB	+27dBm min
OIP3	+33dBm min
VSWR	2:1 max
Voltage	+15V typ
Current	1A
Impedance	50 Ohms

► Mechanical Data

Dimensions	53.34×25.4×9.65mm
Input Connector	SMA-Female
Output Connector	SMA-Female
15V Power Supply Interface	Feedthru Capacitor
Surface Finish	Gold Plated & Hermatically Sealed

► Environmental Data

Operating Temperature	-40°C~+85°C
Storage Temperature	-55°C~+125°C
Relative Humidity	95%



Notes:

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

DRAWN: L. Ma 12/12/25			TITLE: Power Amplifier 7.5~18GHz, Gain 30dB, P1dB 27dBm, Noise Figure 6dB, +15V, SMA-Female	成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -				
ENGINEER: J. Zhu 12/12/25								
APPROVED: C. Chen 12/12/25								
TOLERANCE UNLESS OTHERWISE SPECIFIED								
x	±0.50	[0.019"]	PART No.: TPMA-07501800-3027P	DIMENSIONS IN MILLIMETERS(mm)	SIZE: A4	SCALE:	SHEET: 1/1	REV: A
.x	±0.20	[0.008"]						
.xx	±0.10	[0.004"]						
ANGLES	±1°							