

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/3/27	C. Chen

TECHNICAL DATA

Electrical Data

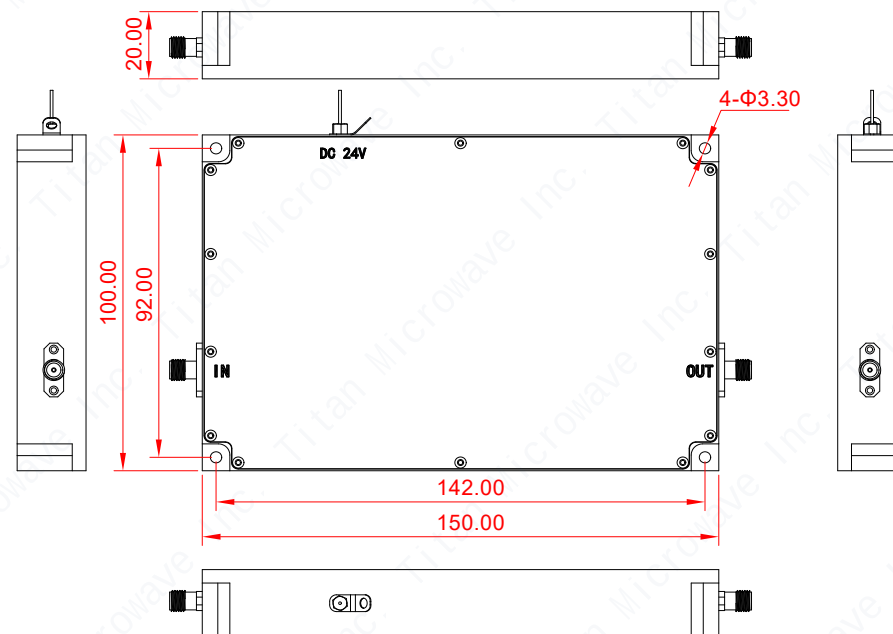
Frequency Range	1~200MHz
Gain@1~200MHz	40dB min, 43dB max
Gain Flatness	±1.4dB typ, ±1.6dB max
P1dB	+40dBm typ, +41.5dBm max
Psat@3dB Compression Point	+42dBm typ, +44dBm max
OIP3	52dBm typ
Blanking Isolation	60dB min@0.1~50MHz 70dB min@50~200MHz
Noise Figure	8.9dB typ, 10dB max
RF Input Power	+20dBm max
Input VSWR	2:1 max
Output VSWR	4:1 max
Impedance	50 Ohms
DC Power Supply	+24V@6A

Mechanical Data

Dimensions	150×100×20mm
Input/Output Connector	SMA-Female
24V Power Supply Interface	Feedthru Capacitor
Surface Finish	Conductive Oxidation

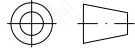
Environmental Data

Operating Temperature	-10℃~+50℃
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Notes:

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

DRAWN: L. Ma 27/03/25			TITLE: Power Amplifier, 1-200MHz, Gain 40dB, P1dB 40dBm, +24V/6A, SMA-Female	 成都巨人微波 TITAN MICROWAVE INC. <i>- A Professional RF & Microwave Components Supplier -</i>		www.titan-microwave.com							
ENGINEER: J. Zhu 27/03/25													
APPROVED: C. Chen 27/03/25				PART No.: TPMA-1M200M-4042	 DIMENSIONS IN MILLIMETERS(mm)		SIZE: A4		SCALE: 		SHEET: 1/1		REV: A
TOLERANCE UNLESS OTHERWISE SPECIFIED													
x	±0.50	[0.019"]											
.x	±0.20	[0.008"]											
.xx	±0.10	[0.004"]											
ANGLES	±1°												