

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/3/21	C. Chen

TECHNICAL DATA

► Electrical Data

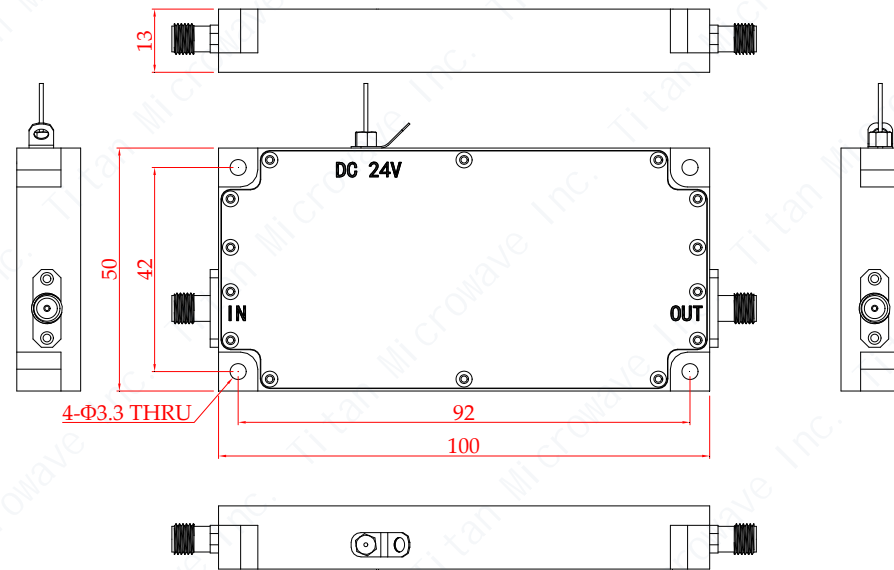
Frequency Range	5~500MHz
Gain	29dB min@5~500MHz
Gain Flatness	±1.0dB
OIP3	+44dBm min
Noise Figure	7dB max
Impedance	50 Ohms
VSWR	1.5:1 max
DC Power Supply	+24V
Current	350mA

► Mechanical Data

Dimensions	100×50×13mm
Input Connector	SMA-Female
Output Connector	SMA-Female
24V Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-20℃~+50℃
Storage Temperature	-40℃~+85℃



Notes:

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

DRAWN: L. Ma 21/03/25		
ENGINEER: J. Zhu 21/03/25		
APPROVED: C. Chen 21/03/25		
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, 5-500MHz, Gain 29dB, OIP3 44dBm, Noise Figure 7dB, +24V, SMA-Female

PART No.:

TMLA-5M500M-2944-70



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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