

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/5/14	C. Chen

TECHNICAL DATA

► Electrical Data

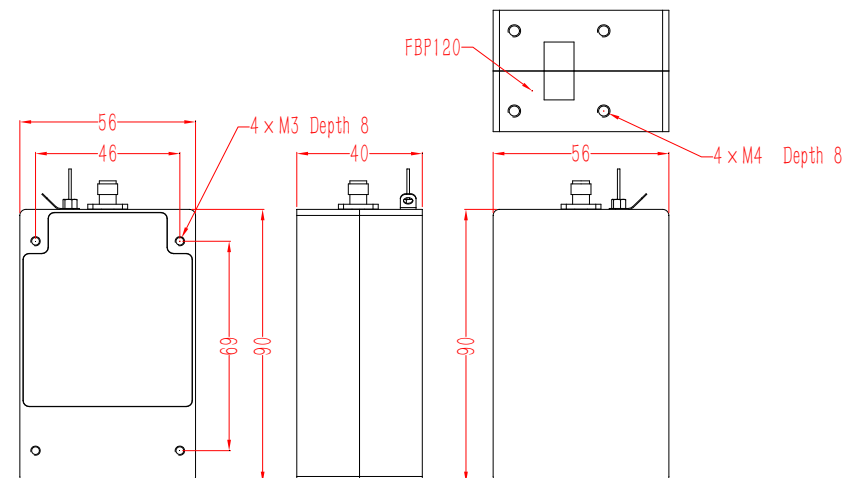
Frequency Range	10.7~12.75GHz
Gain	50±3dB
Gain Flatness	±1.5dB max@10.7~12.75GHz ±0.5dB max/40MHz
Noise Equivalent Temperature	70K max@23°C
P1dB	+17dBm min
OIP3	+30dBm min
Max Input Power	0 dBm
Input/Output VSWR	1.5:1 max
Impedance	50 Ohms
Power Supply	+12V~+14V

► Mechanical Data

Dimensions	90×56×46mm
Input Connector	WR-75
Flange Type	FBP120
Output Connector	SMA-Female
Power Supply Connector	Φ3mm Feedthru Capacitor

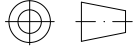
► Environmental Data

Operating Temperature	-40℃~+60℃
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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 14/05/25	TITLE: Low Noise Amplifier 10.7-12.75GHz, Gain 50dB, P1dB 17dBm, +12V~+24V, WR-75, SMA-Female	 www.titan-microwave.com		
ENGINEER: J. Zhu 14/05/25				
APPROVED: C. Chen 14/05/25				
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.:	 DIMENSIONS IN MILLIMETERS(mm)		
x ±0.50 [0.019"]	TMLA-10701275-5017	SIZE: A4	SCALE:	SHEET: 1/1
.x ±0.20 [0.008"]				REV: A
.xx ±0.10 [0.004"]				
ANGLES ±1°				