

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2025/1/20	C. Chen

TECHNICAL DATA

► Electrical Data

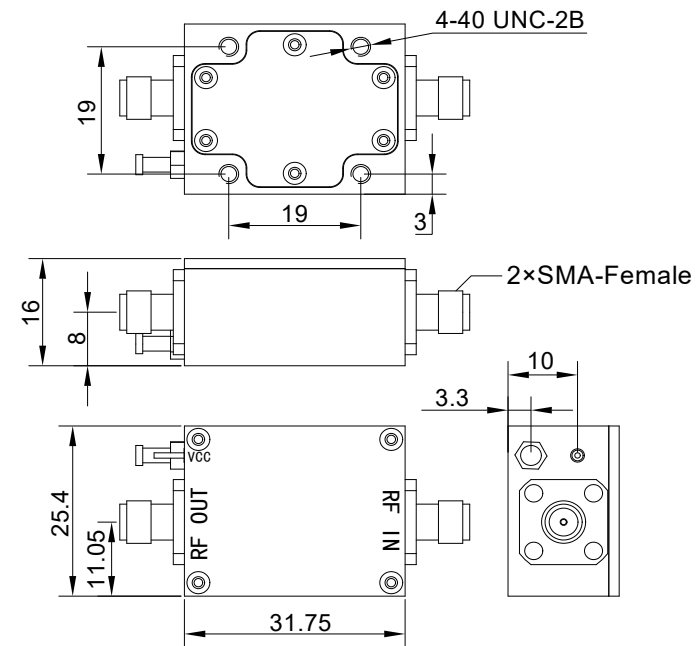
Frequency Range	2~18GHz
Output Power(P1dB)	+10dBm min
Small Signal Gain	16dB min
Gain Flatness	±1.25dB max@2~18GHz
Gain Variation	±1.5dB max@-20°C~+75°C
Noise Figure	6.0dB max
OIP3	+18dBm min
Max RF Input Power	+12dBm(CW)
Impedance	50 Ohms
VSWR	2.2:1 typ
DC Power Supply	+15V@200mA

► Mechanical Data

Dimensions	31.75×25.4×16mm
Input Connector	SMA-Female
Output Connector	SMA-Female
Power Supply Interface	Feedthru Capacitor

► Environmental Data

Operating Temperature	-20°C~+75°C
Storage Temperature	-30°C~+85°C



Notes:

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

DRAWN: L. Ma 20/01/25		
ENGINEER: J. Zhu 20/01/25		
APPROVED: C. Chen 20/01/25		
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 16dB, Output Power 10dBm, Noise Figure 6dB, +15V, SMA-Female

PART No.:
TMLA-02001800-1610-60

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DIMENSIONS IN MILLIMETERS(mm)

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