

2-4GHz Low Noise Amplifier

P/N: MZLNA0204GB25



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 26 dB and a typical noise figure of 1.5 dB across the frequency range of 2 to 4 GHz. The typical output power P-1 26dBm. The DC power requirement for the amplifier is +12 VDC/250 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		2-4		GHz
Gain	23		26	dB
Gain Flatness		±1.0	±1.5	dB
Input VSWR		1.8	2.0	-
Output VSWR		1.8	2.0	-
Output Power for (P1dB)	24	26		dBm
Output Power Psat		26		dBm
Noise Figure		1.5	2.0	dB
Output IP3	42	44		dBm
Spurious		-60		dBc
Input Max Power(no damage)			10	dBm
Reverse Isolation	25	50		dB
DC Current (Vcc=+12V)		200	250	mA
Impedance		50		Ω
Input/Output Connector	SMA-Female/SMA-Female			
Material	Aluminium			
Weight	80g			
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

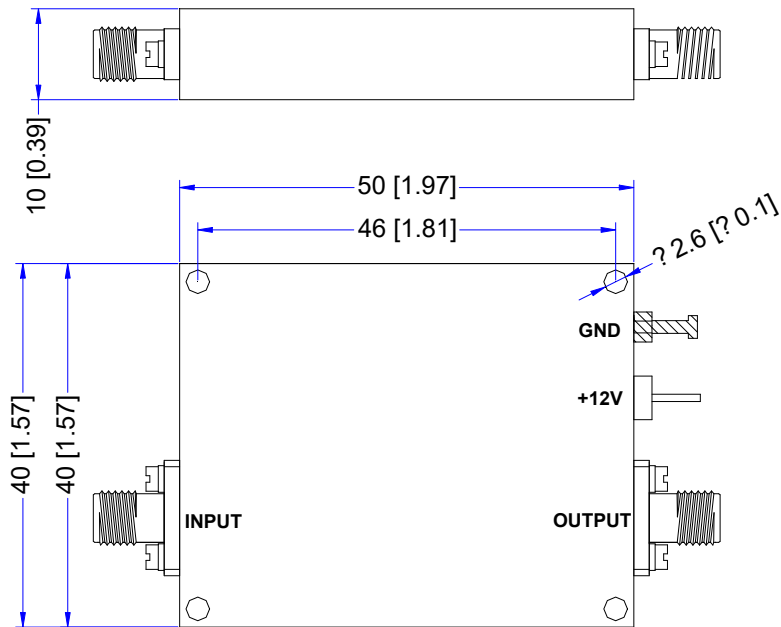
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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



*****Heat Sink required during operation*****

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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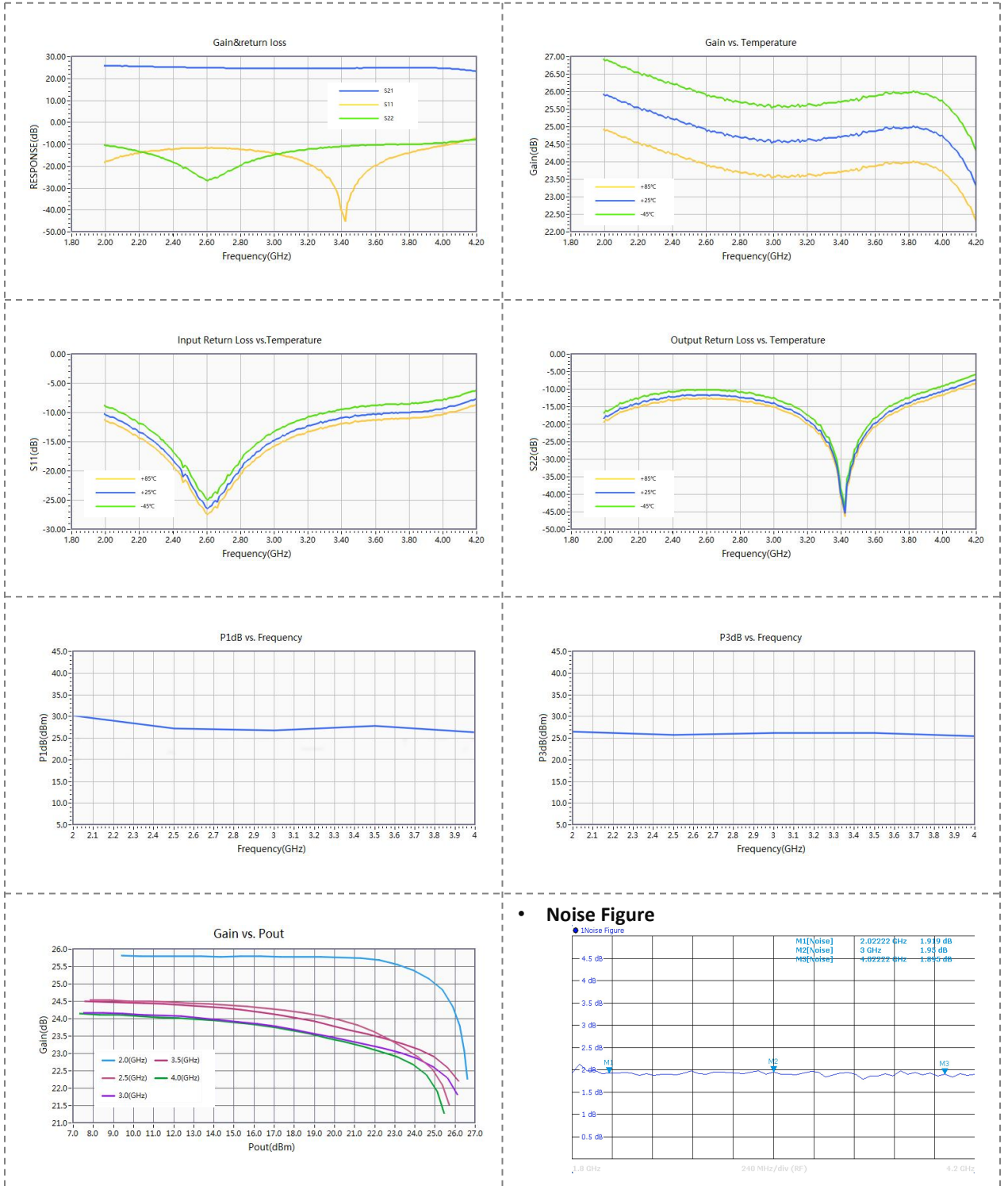
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Performance Plot



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