

0.5-6GHz Low Noise Amplifier

P/N: MZLNA00506GA45



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 48 dB and a typical noise figure of 2.5 dB across the frequency range of 0.5 to 6 GHz. The typical output power P-1 10dBm. The DC power requirement for the amplifier is +6~16 VDC/400 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.5-6		GHz
Gain	45	48		dB
Gain Flatness		±3.0		dB
Input VSWR		2.0	2.5	-
Output VSWR		2.0	2.5	-
Output Power for (P1dB)	8	10		dBm
Output Power Psat		10		dBm
Noise Figure		2.5	3	dB
Output IP3		15		dBm
Input Max Power(no damage)			-30	dBm
DC Current (Vcc=+6~16V)		400		mA
Impedance		50		Ω
Input/Output Connector		SMA-K/SMA-K		
Material		Aluminium		
Weight		50g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



OBSERVE
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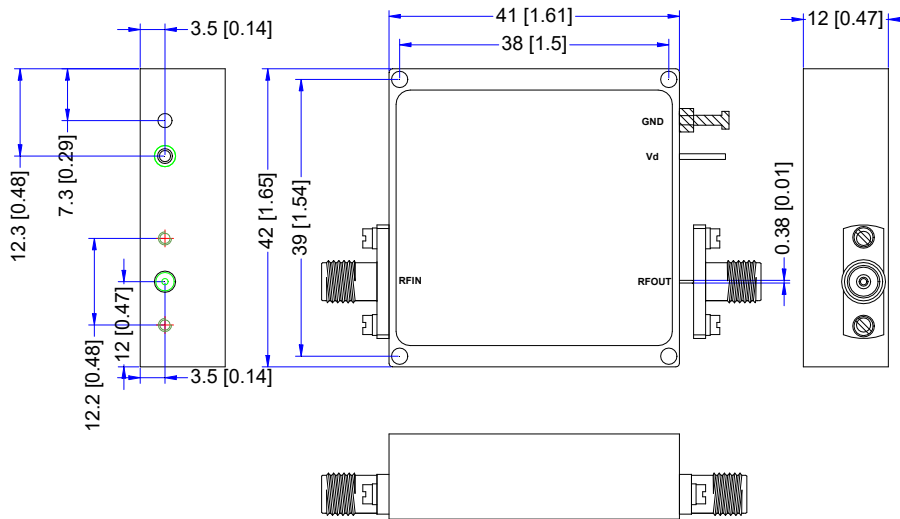
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■ Outline Drawing

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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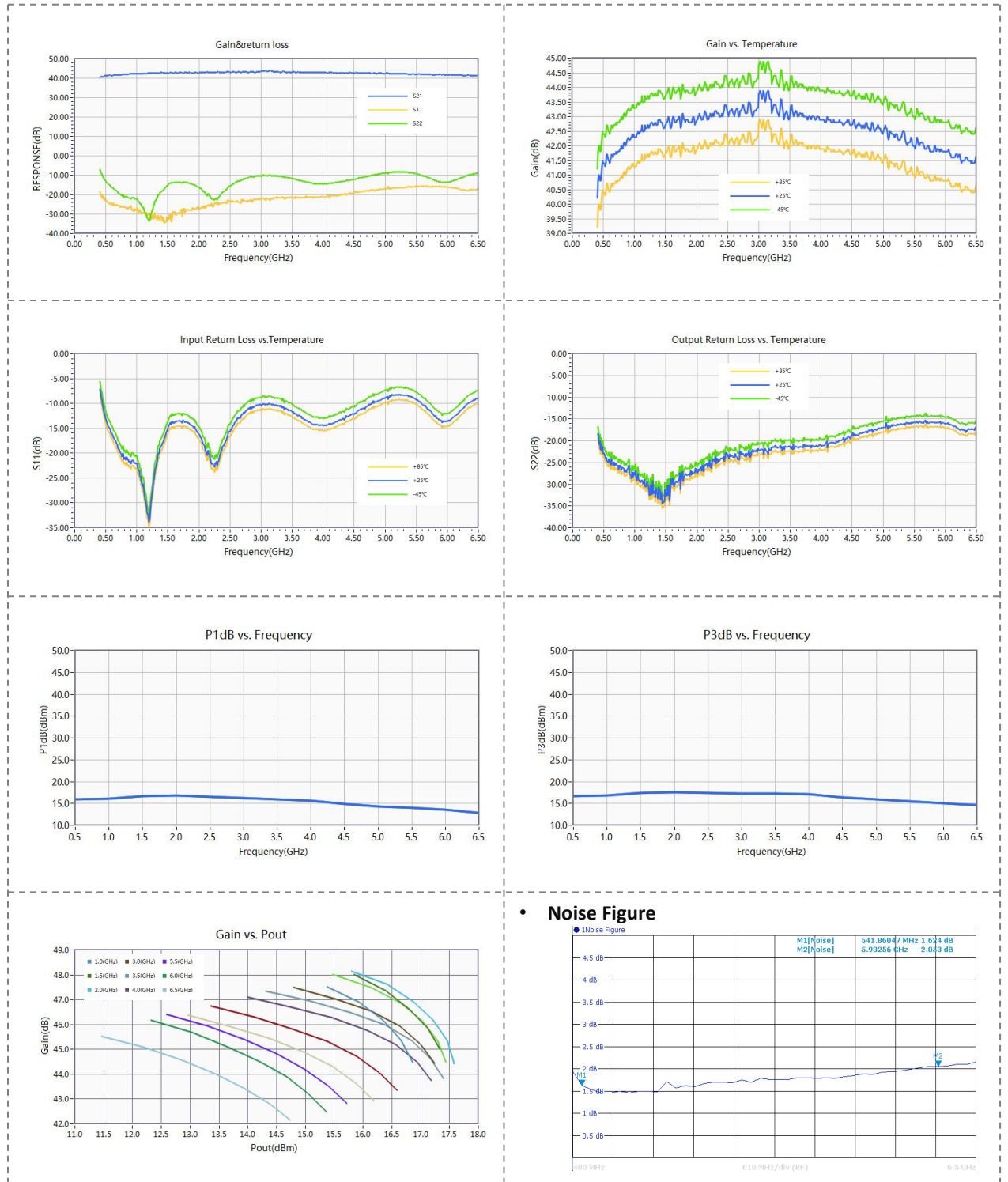
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Performance Plot



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