

0.01-70GHz Low Noise Amplifier

P/N: LNA00070GB18



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 18 dB and a typical noise figure of 5 dB across the frequency range of 0.01 to 70 GHz. The typical output power P-1 15dBm. The DC power requirement for the amplifier is +12 VDC/200 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.01-55			55-70			GHz
Gain		18			18		dB
Gain Flatness		±2	±3		±2	±3	dB
Input VSWR		1.8	2.5		2.0	3.5	-
Output VSWR		1.8	2.5		2.0	3.5	-
Output Power for (P1dB)		15		10	14		dBm
Output Power Psat		16		11	15		dBm
Spurious		60			60		dBc
Noise Figure		5			6		dB
Output IP3		20			20		dBm
Input Max Power(no damage)			5			5	dBm
DC Current (Vcc=+12V)		200			200		mA
Impedance			50				Ω
Input/Output Connector			1.85mm-Female				
Material			Aluminium\Gold Painting				
Weight			45g				
Package Sealing			General Sealing (Standard)				

Environmental Specifications:

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



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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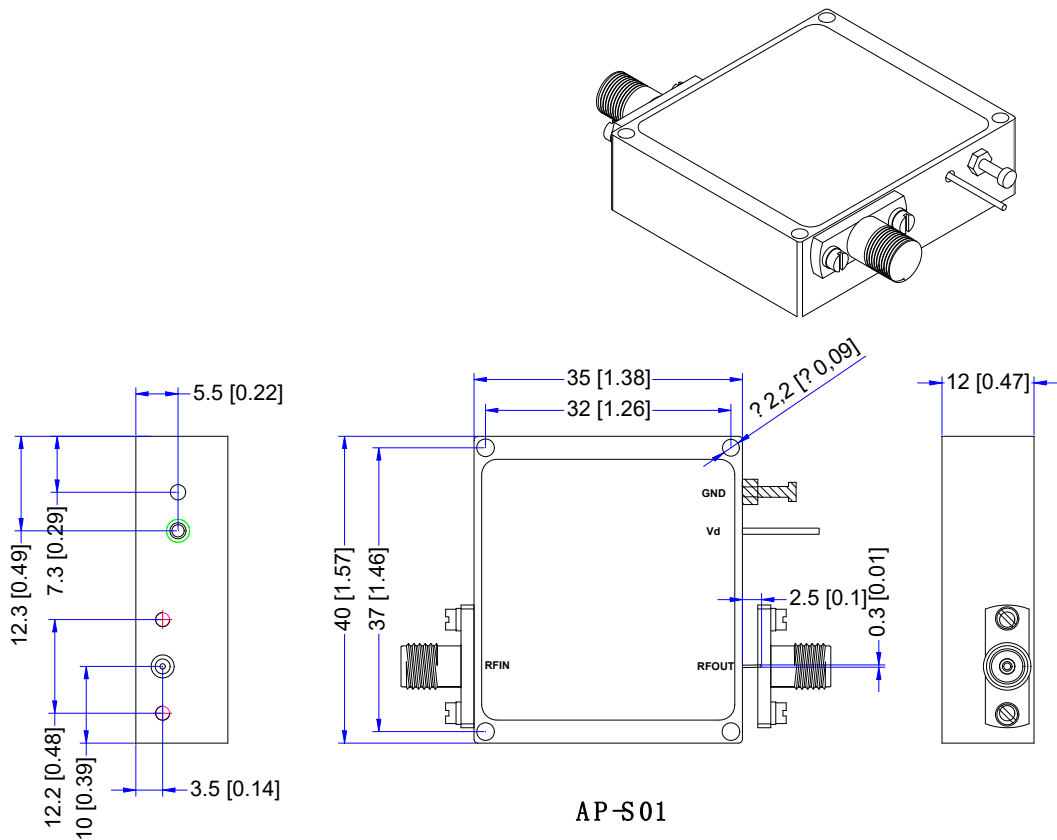
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■ Outline Drawing

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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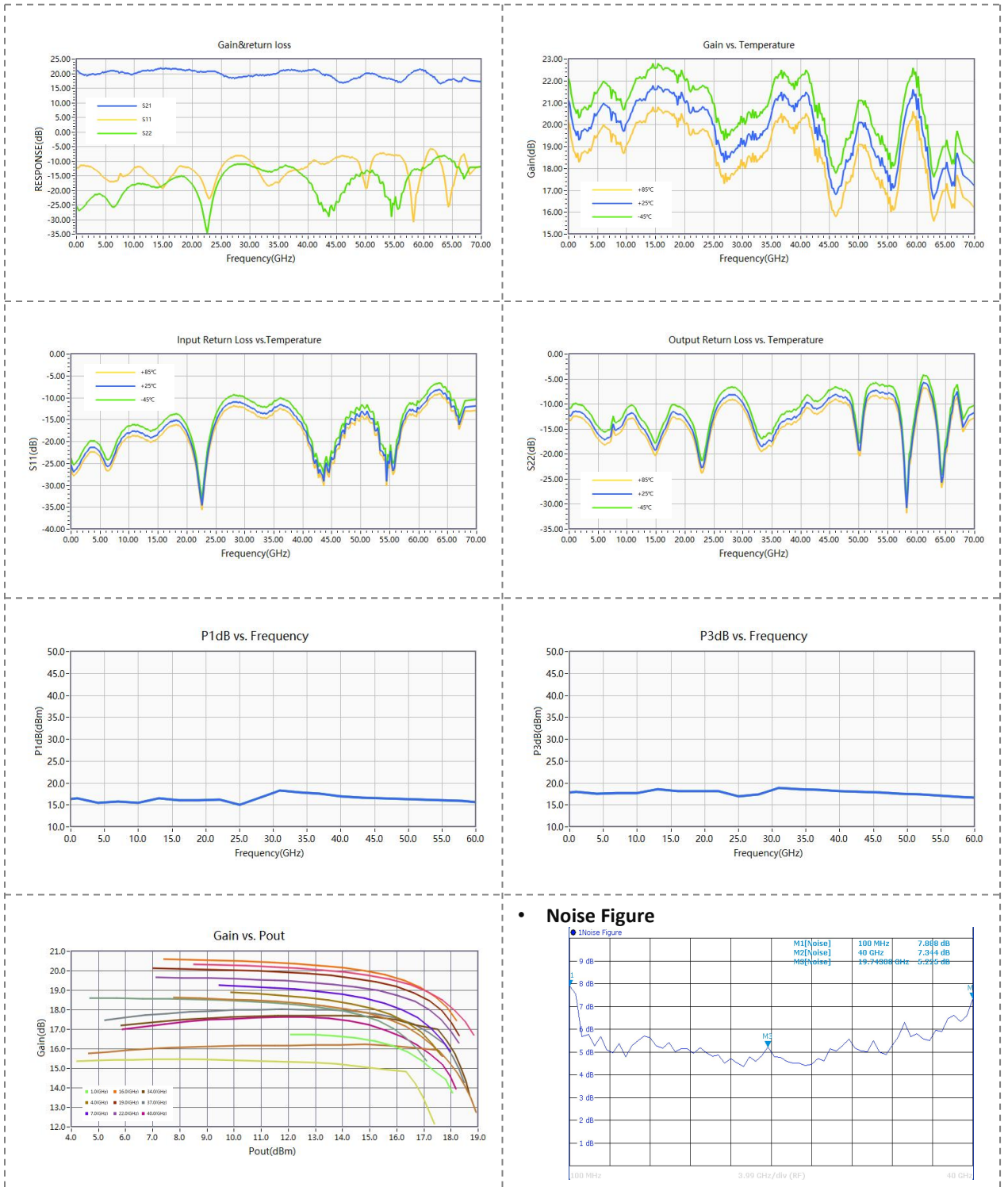
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Performance Plot



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