

# 0.01-50GHz Low Noise Amplifier

P/N: MZLNA0050GA40



## Description:

The amplifier is a low noise amplifier with a typical small signal gain of 32 dB and a typical noise figure of 6 dB across the frequency range of 0.01 to 50GHz. The typical output power P-1 21dBm. The DC power requirement for the amplifier is +12 VDC/300 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.01-50		GHz
Gain	40	44		dB
Gain Flatness		±3	±4	dB
Input VSWR		1.8	2.5	-
Output VSWR		1.8	2.5	-
Output Power for (P1dB)	16	21		dBm
Output Power Psat	18	22		dBm
Spurious		-60		dBc
OIP3		25		dBm
Noise Figure		6		dB
Input Max Power(no damage)			-15	dBm
DC Current(Vcc=+12V)		400		mA
Impedance		50		Ω
Input/Output Connector	2.4mm-Female/2.4mm-Female			
Material	Aluminium/Gold Painting			
Weight	50g			
Package Sealing	General Sealing (Standard)			

## Environmental Specifications:

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



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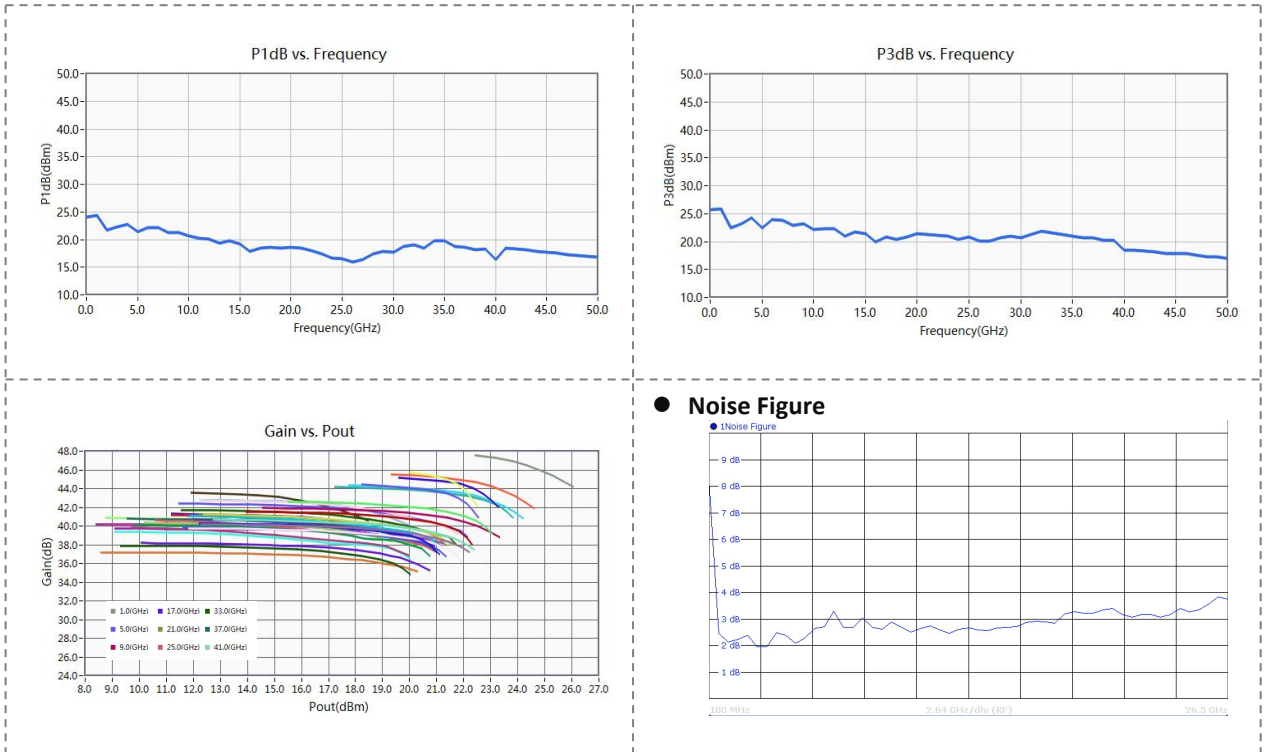


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## Performance Plot



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