

0.01-50GHz Low Noise Amplifier

P/N: MZLNA00050GA25



■ Features

- Ultra Wide Band: 0.01-50GHz
- Gain: 27dB
- Output Power: 20dBm
- High Output IP3: 25dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

■ Electrical Specifications (+25°C)



Parameter	Min.	Typ.	Max	Units
Frequency Range	0.01-50			GHz
Gain	25	27		dB
Gain Flatness		±2.0	±2.5	dB
Input VSWR		2.0	2.5	-
Output VSWR		2.0	2.5	-
Output Power for 1dB Compression (P1dB)	16	20		dBm
Output Power Past	18	21		dBm
Spurious		-60		dBc
Noise Figure		5		dB
Output IP3		25		dBm
Input Max Power(no damage)			-5	dBm
DC Current (Vcc=+12V)		400		mA
Impedance	50			Ω
Input Output Connector	2.4mm-Female			
Material /Finishing	Aluminium / Gold Plated			
Weight	50g			
Package Sealing	General Sealed(Standard) ; Hermetically Sealed(Optional)			

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Performance Plot

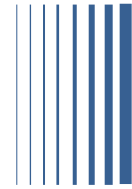


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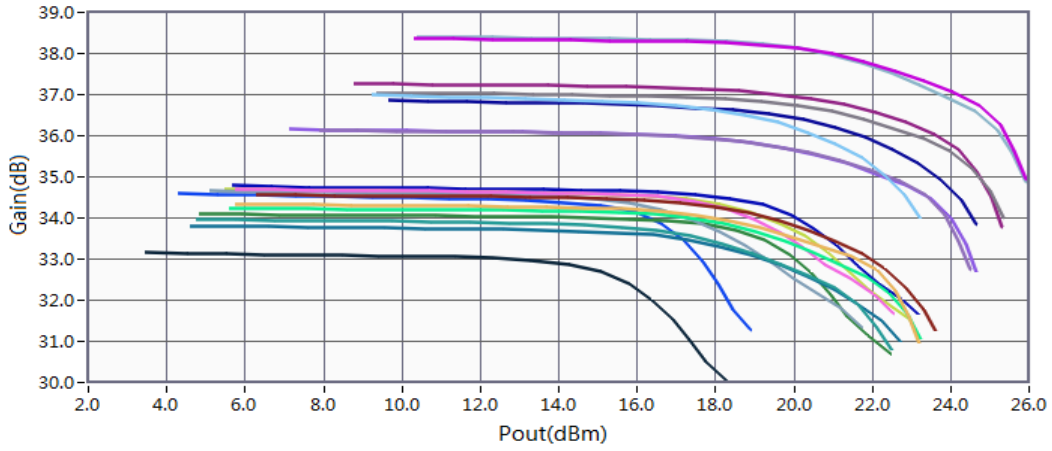
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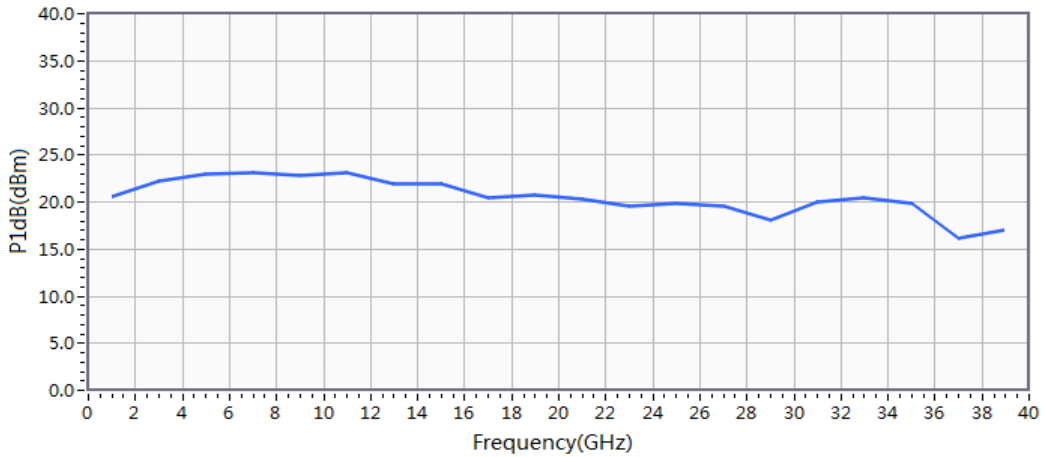
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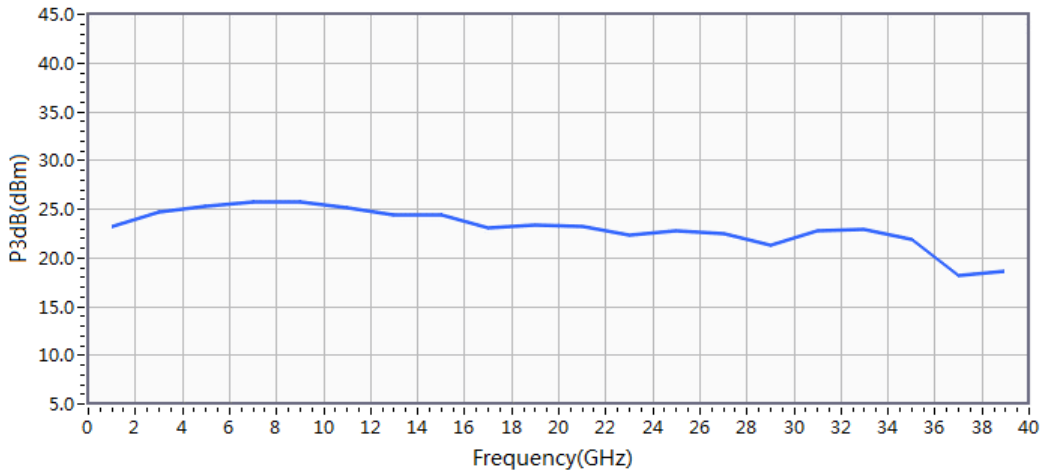
Gain vs. Pout



P1dB vs. Frequency



P3dB vs. Frequency

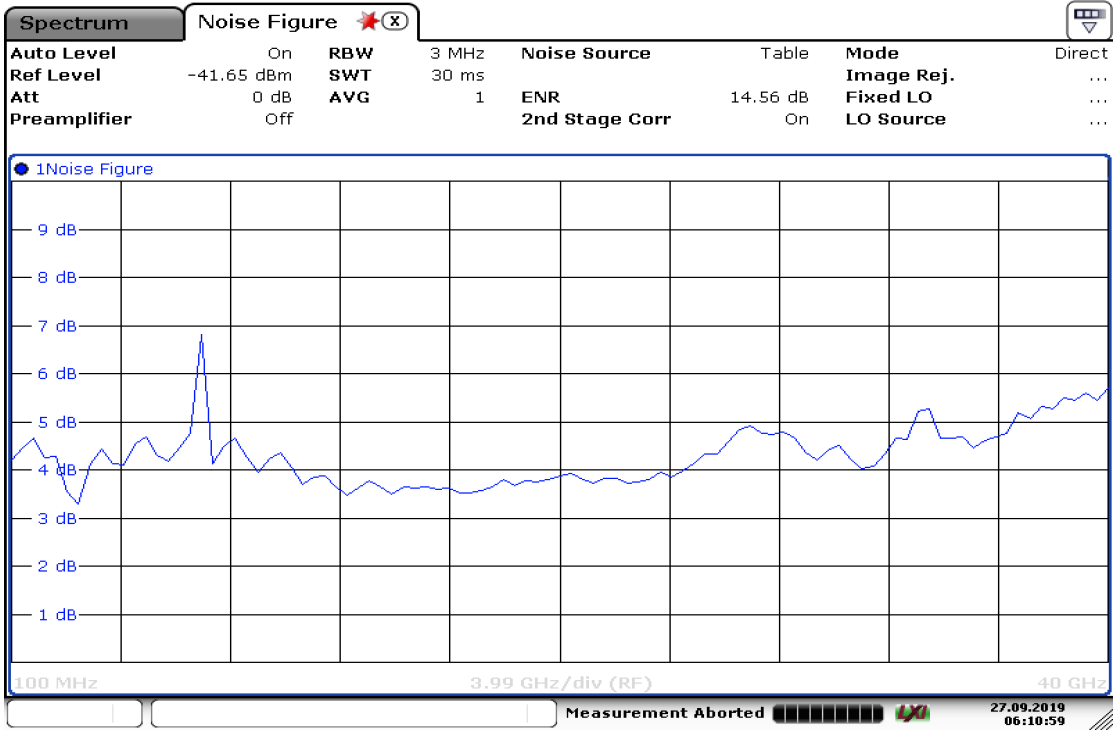


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NOTE:

Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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