

0.01-43.5GHz Low Noise Amplifier

P/N: MZLNA000435GA25



■ Features

- Ultra Wide Band: 0.01-43.5GHz
- Gain: 27dB
- Output Power: 20dBm
- High Output IP3: 30dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems



■ Electrical Specifications (+25 °C)

Parameter	Min.	Typ.	Max	Units
Frequency Range	0.01-43.5			GHz
Gain	25	27		dB
Gain Flatness		±1.5	±2	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		30		dBm
Input Max Power(no damage)			-5	dBm
DC Current (Vcc=+12V)		350		mA
Impedance	50			Ω
Input Output Connector	2.92mm-Female			
Material /Finishing	Aluminium\Gold Plated			
Weight	50g			
Package Sealing	General Sealed(Standard) ; Hermetically Sealed(Optional)			

MICZEN THCNOLOGIES CO.,LTD.

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

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■ Environmental Conditions

Operational Temperature	-45°C~+85°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave,3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

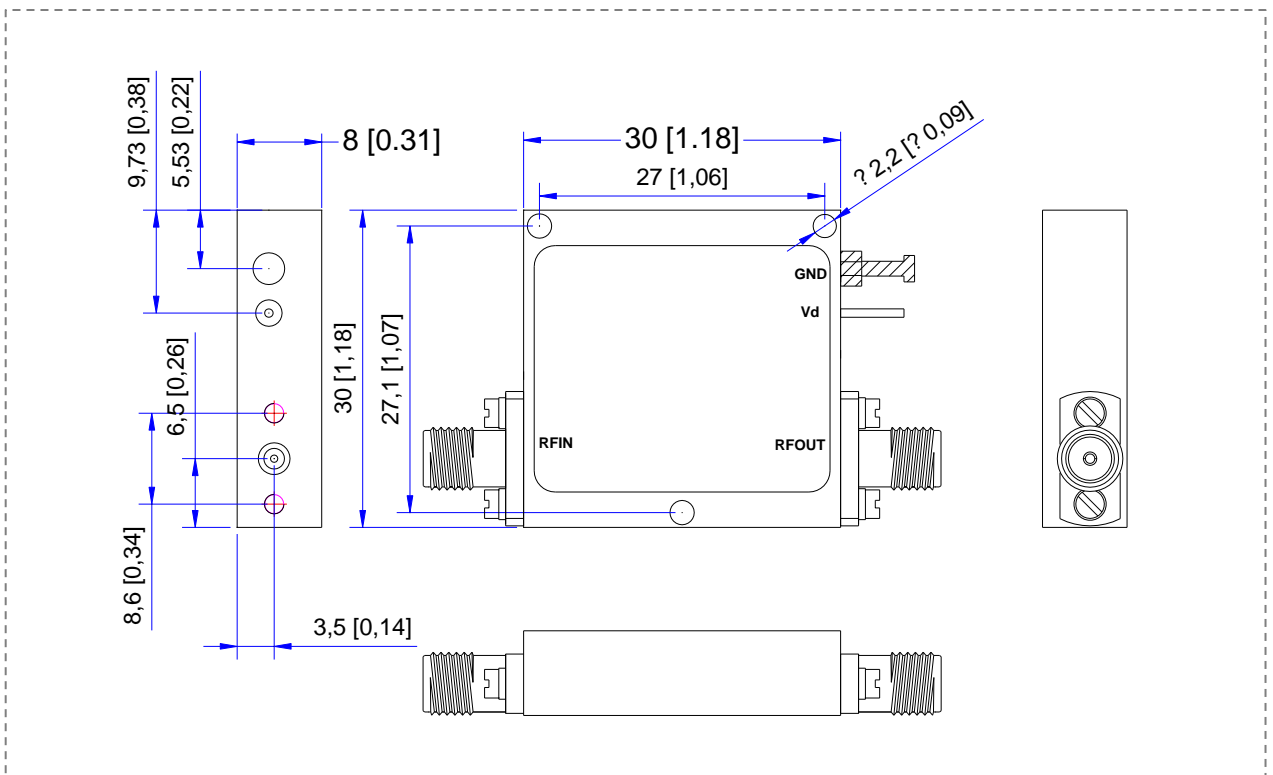
■ Absolute Maximum Ratings

Supply Bias Voltage	+15V
RF INPUT POWER	-5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



■ Outline Drawing

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



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

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■ Performance Plot

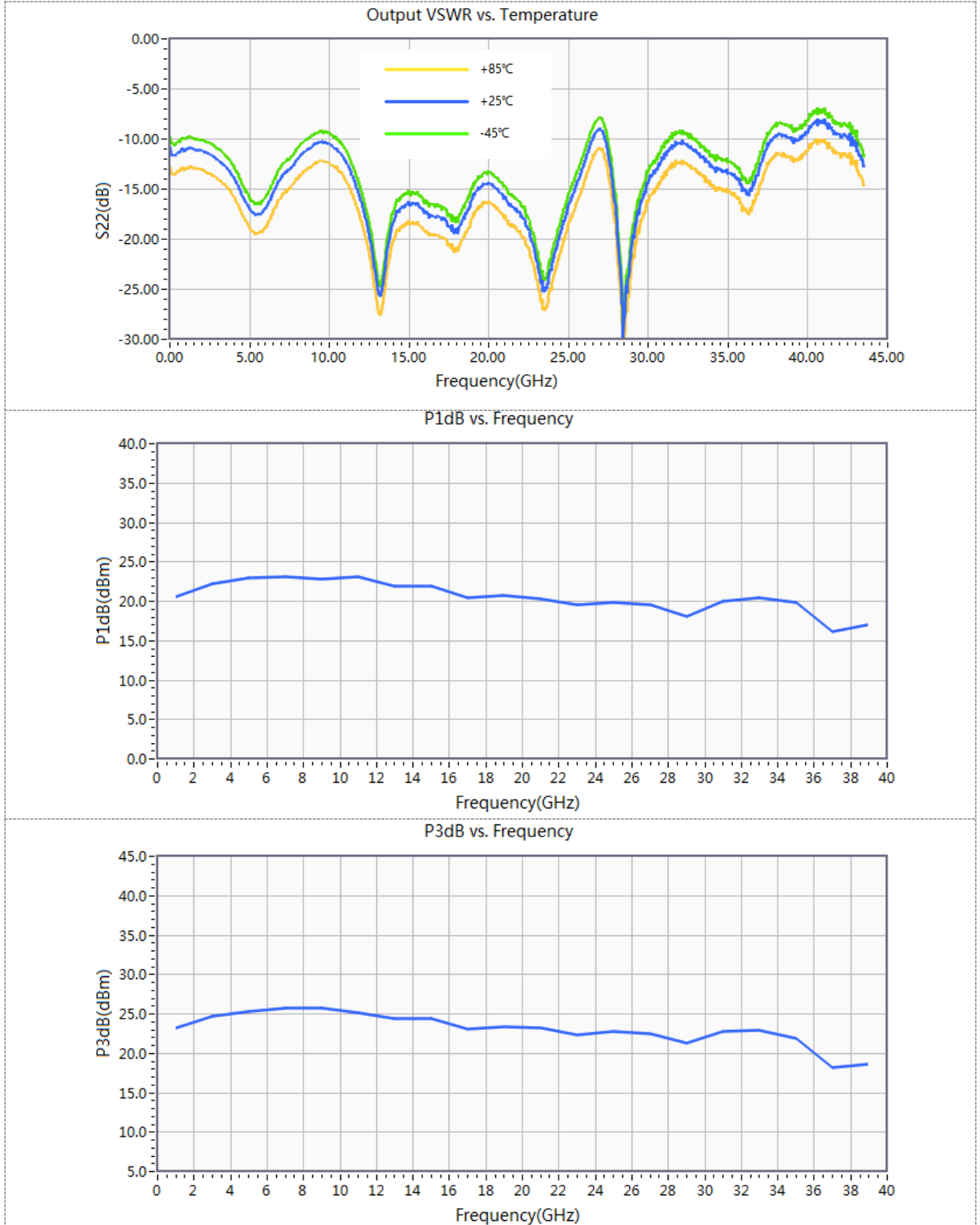


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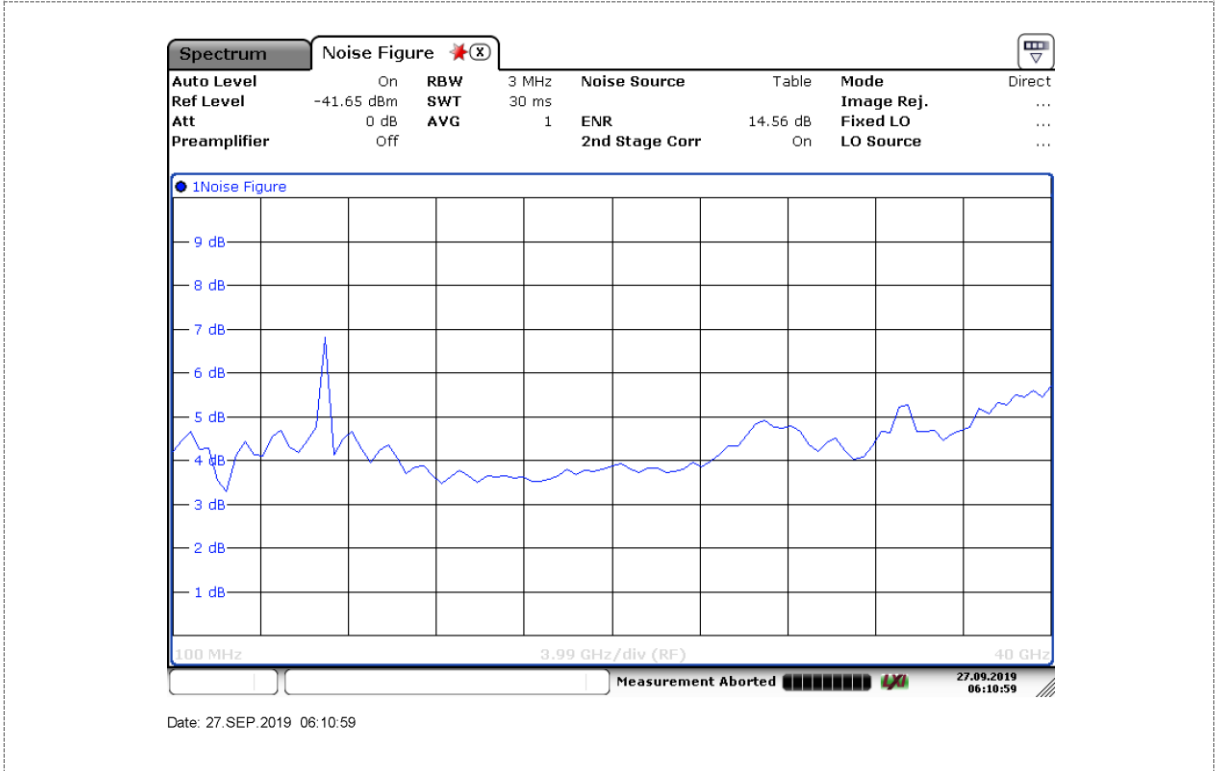
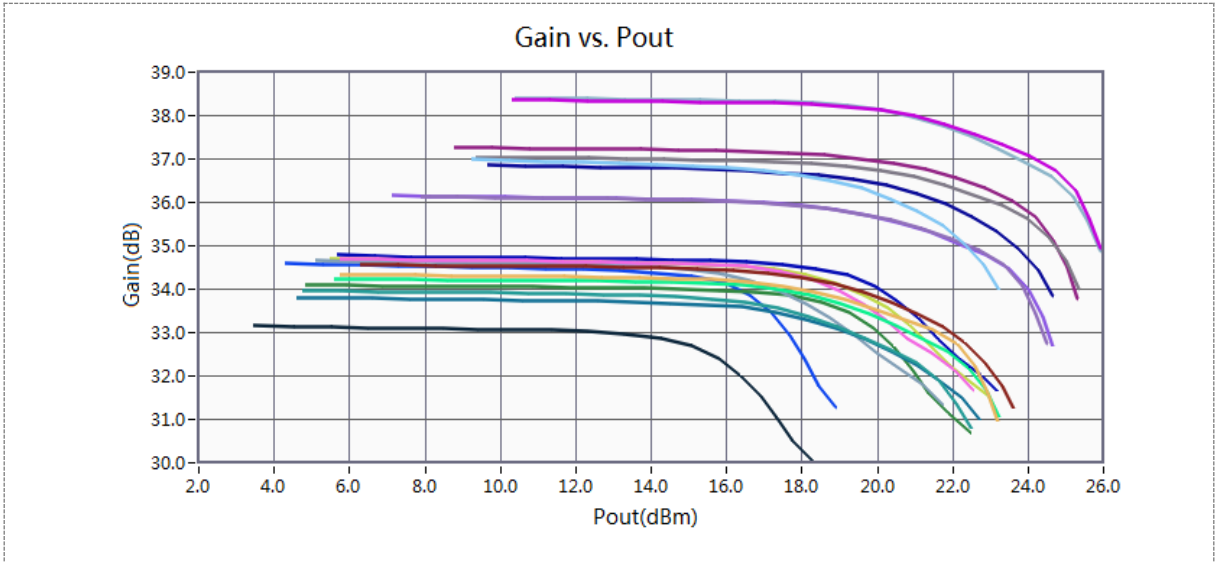


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NOTE:

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

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