

8.9-9.6GHz Low Noise Amplifier

P/N: MZLNA089096GA30



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 32 dB and a typical noise figure of 0.9 dB across the frequency range of 8.9 to 9.6 GHz. The typical output power P-1 16dBm. The DC power requirement for the amplifier is +12 VDC/150 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		8.9-9.6		GHz
Gain	30	32		dB
Gain Flatness		±1	±1.3	dB
Input VSWR		1.5	1.8	-
Output VSWR		1.5	1.8	-
Output Power for (P1dB)	15	16		dBm
Output Power Psat		16		dBm
Noise Figure		0.9	1.4	dB
Input Max Power(no damage)			-10	dBm
DC Current (Vcc=+12V)		120	150	mA
Impedance		50		Ω
Input/Output Connector	1.85mm-Female/1.85mm-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



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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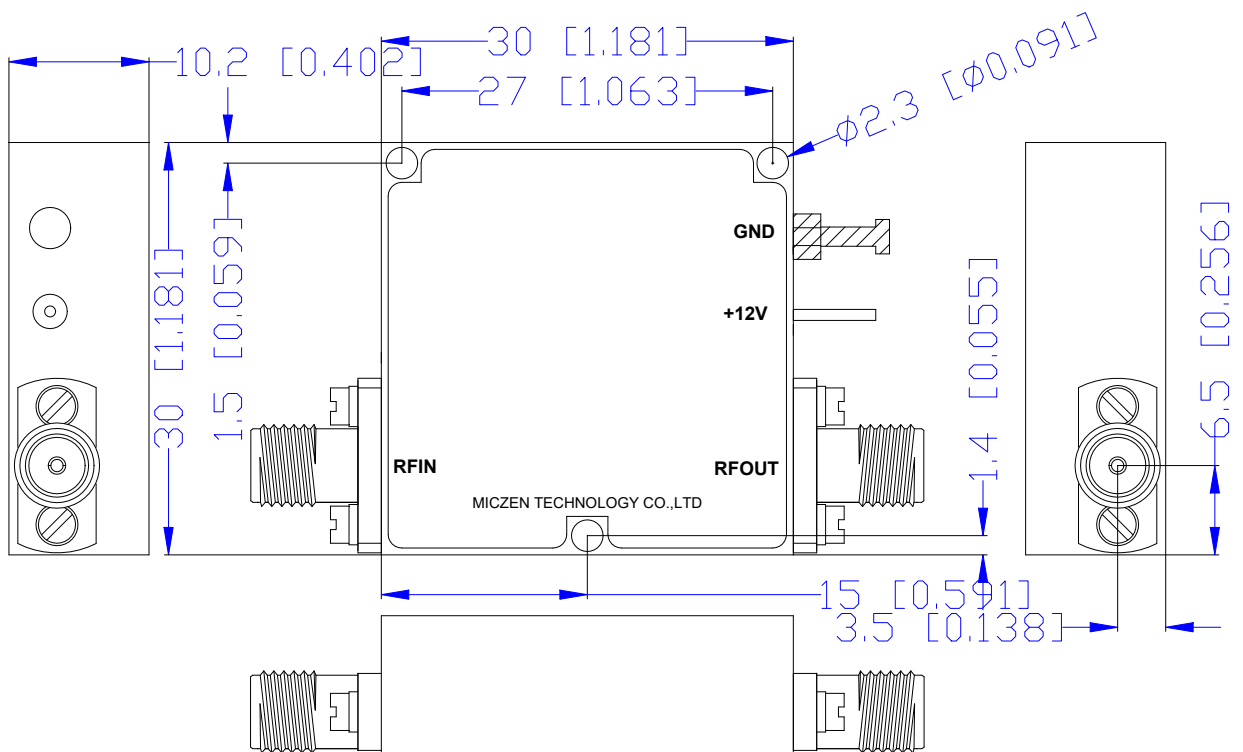
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■ Outline Drawing

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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Performance Plot

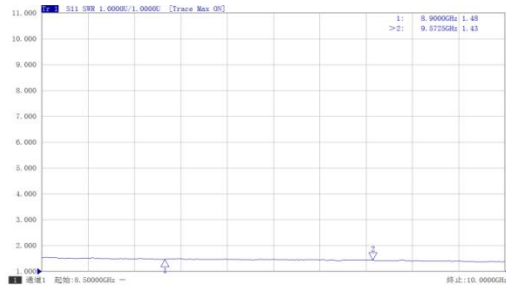
Gain



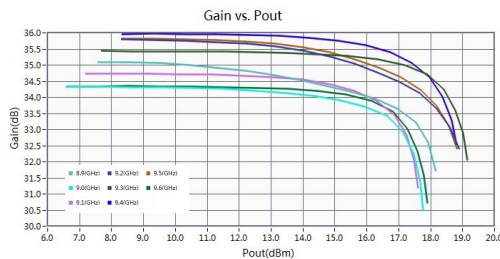
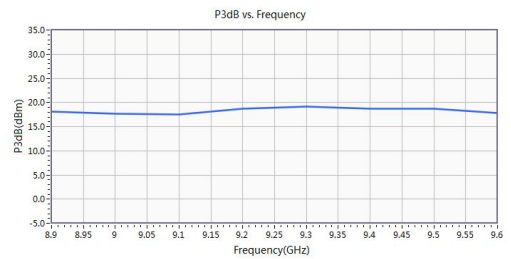
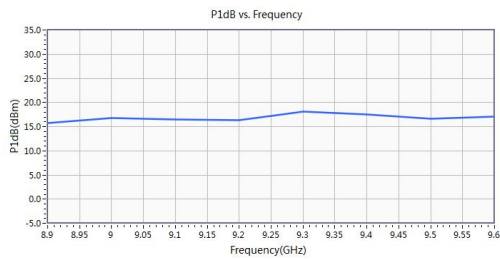
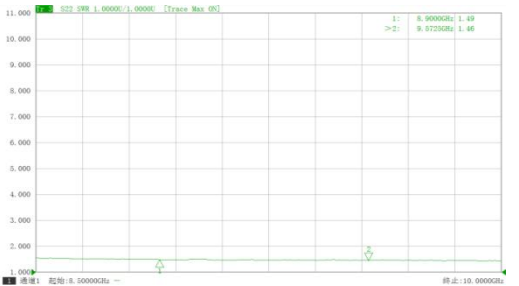
Gain Flatness



Input VSWR



Output VSWR



Noise Figure

