

26.5-50GHz Low Noise Amplifier

P/N: MZLNA26550GA18



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 18 dB and a typical noise figure of 6.0 dB across the frequency range of 26.5 to 50 GHz. The typical output power P-1 14dBm. 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.	Units
Frequency Range		26.5-50		GHz
Gain	15	18		dB
Gain Flatness		±2.0	±3.0	dB
Input VSWR		1.8	2.0	-
Output VSWR		1.8	2.0	-
Output Power for (P1dB)		14		dBm
Output Power Psat		15		dBm
Spurious		-60		dBc
Noise Figure		6.0		dB
Output IP3		20		dBm
Input Max Power(no damage)			+5	dBm
DC Current (Vcc=+12V)		200		mA
Impedance		50		Ω
Input/Output Connector		2.4-K/2.4-K		
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

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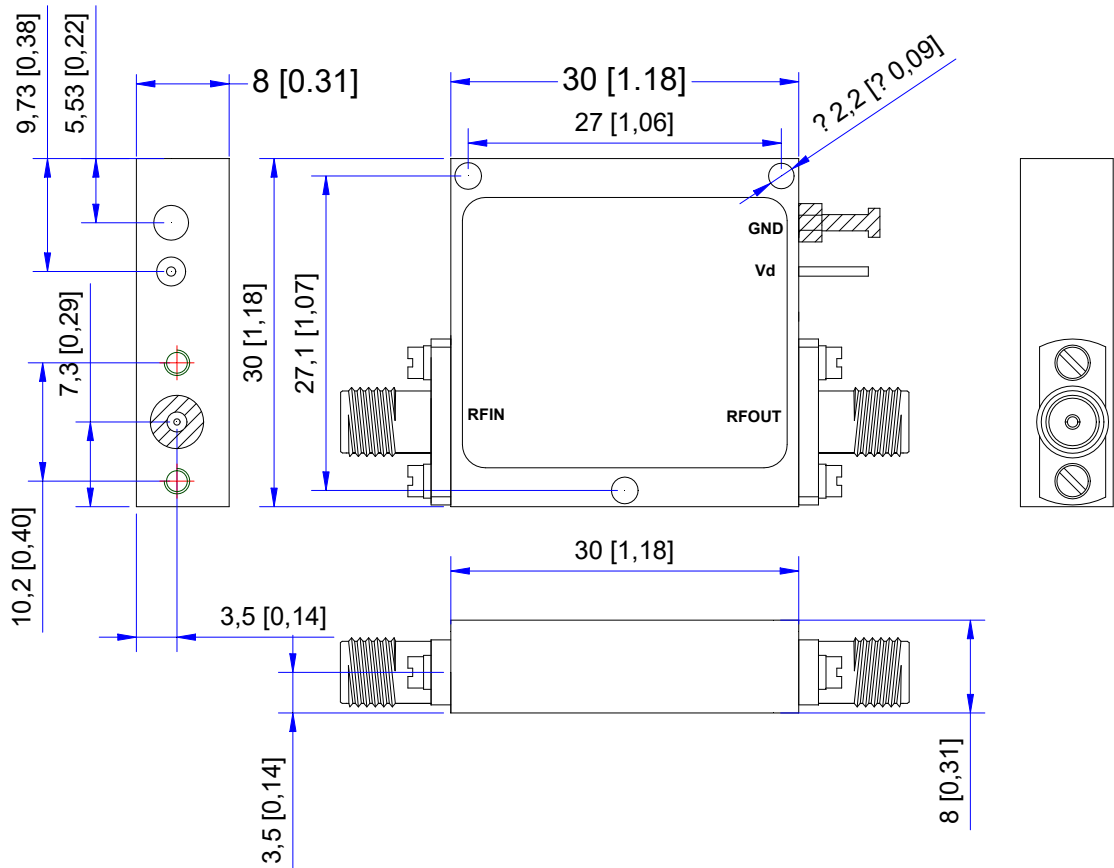
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■ Outline Drawing

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.

MICZEN THCHNOLOGIES CO.,LTD.

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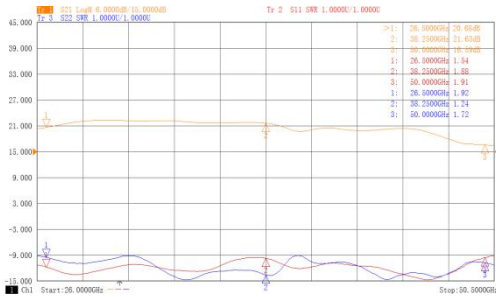
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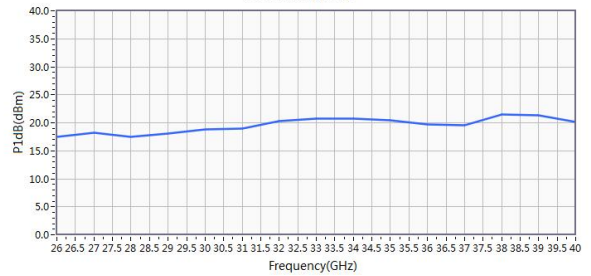


Performance Plot

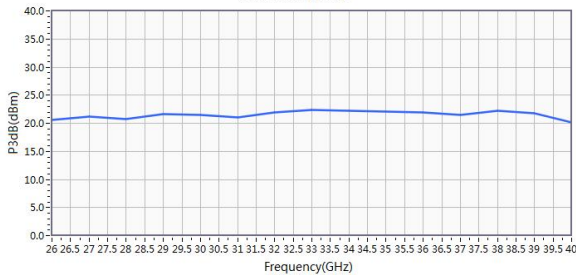
Gain&Input VSWR&Output VSWR



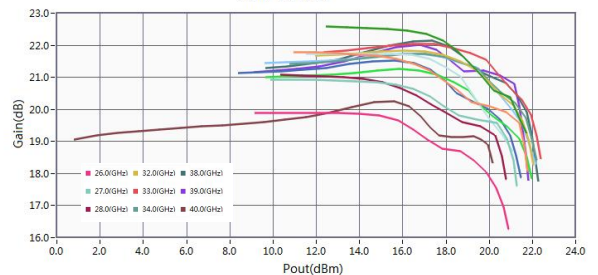
P1dB vs. Frequency



P3dB vs. Frequency



Gain vs. Pout



Noise Figure

