

1-3GHz Low Noise Amplifier

P/N: MZLNA0103GA18



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 18 dB and a typical noise figure of 1.5 dB across the frequency range of 1 to 3 GHz. The typical output power P-1 20dBm. The DC power requirement for the amplifier is +12 VDC/70 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1-3		GHz
Gain	16	18	20	dB
Gain Flatness		±1	±1.3	dB
Input VSWR		1.6	2.0	-
Output VSWR		1.6	2.0	-
Output Power for (P1dB)	18	20		dBm
Saturated Output Power (Psat)		20		dBm
Reverse Isolation	25			dB
Noise Figure		1.5	2.5	dB
Spurious		-60		dBc
OIP3	32	36		dBm
Input Max Power(no damage)			5	dBm
DC Current (Vcc=+12V)		70	75	mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		30g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



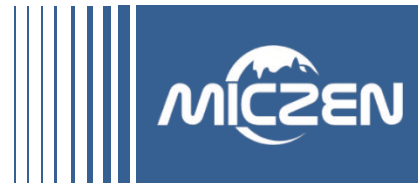
OBSERVE
PRECAUTIONS ELECTROSTATIC
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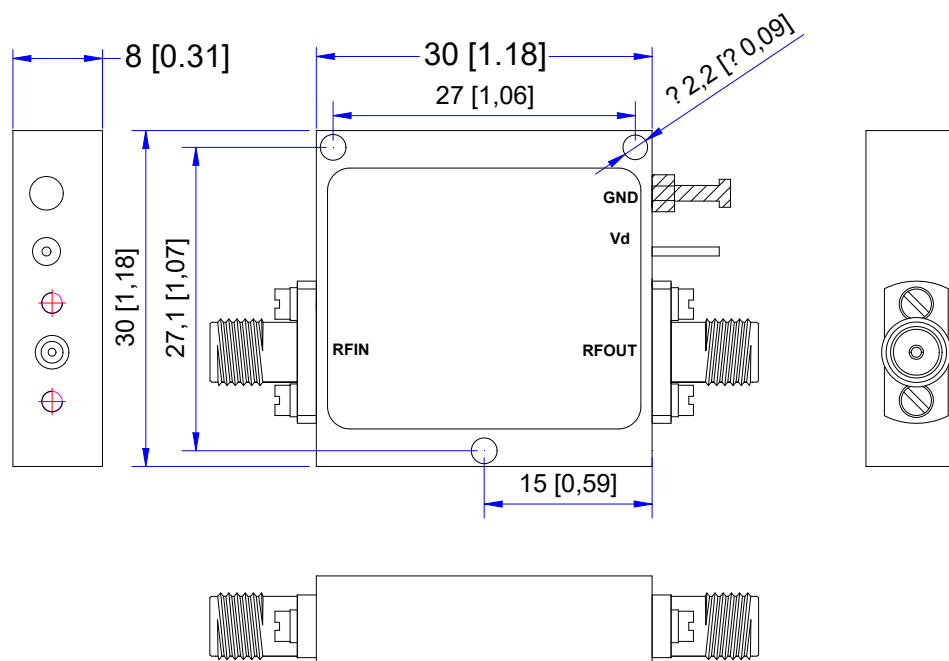
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■ Outline Drawing

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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