

2-12GHz Low Noise Amplifier

P/N: LNA0212GB30



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 30 dB and a typical noise figure of 1.2dB across the frequency range of 2 to 12GHz. The typical output power P-1 13 dBm. The DC power requirement for the amplifier is 12V/150mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		2-12		GHz
Gain	30			dB
Gain Flatness		±1.0	±2.0	dB
Input VSWR		1.5	2.0	:1
Output VSWR		1.8	2.0	:1
Output Power for (P1dB)	13	15		dBm
OIP3		25		dBm
Noise Figure		1.2	1.8	dB
Input Max Power(no damage)			-10	dBm
DC Supply Current (@12V)		150		mA
Input/Output Connector	SMA Female/SMA Female			
Impedance		50		Ω
Material	Aluminium/Gold Painting			
Weight		25g		
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

※ Operational Temperature	-45°C~+85°C
※ Storage Temperature	-55°C~+125°C
※ Relative humidity	95% (typ)
※ Altitude	50000 feet (typ)
※ Shock/Vibration(MIL-STD-810F)	25g rms(15 degree 2KHz) endurance, 1 hour per axis
※ Shock/(non operating)	20G for 11msc half sin wave,3 axis both directions



OBSERVE
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SENSITIVE DEVICES

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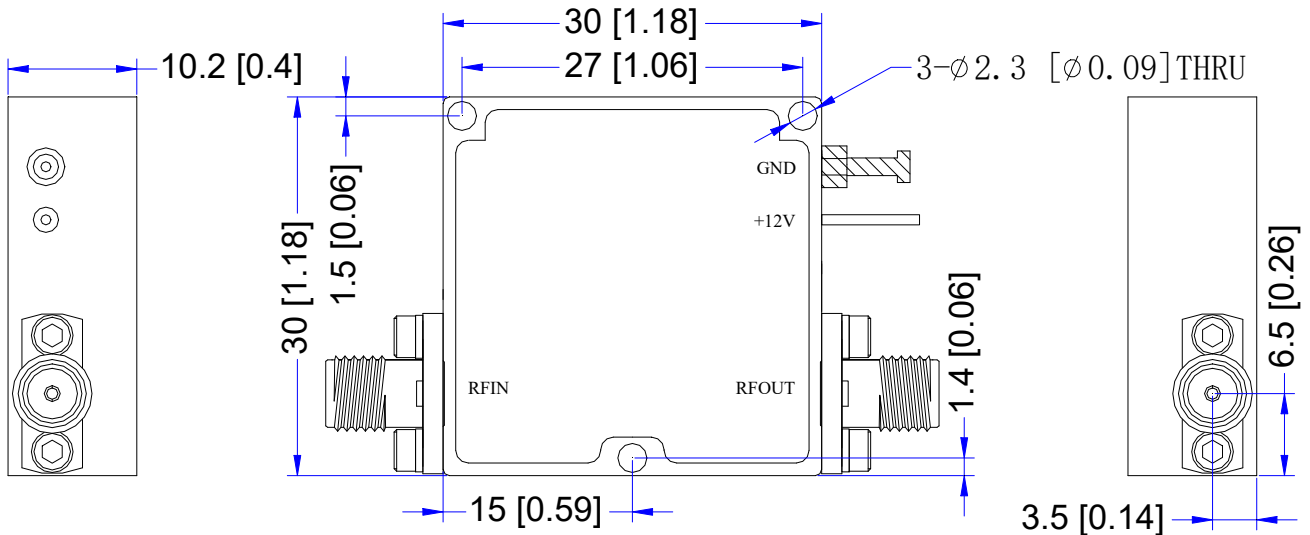
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■ Outline Drawing

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



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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