

0.02-18GHz Low Noise Amplifier

P/N: LNA00021800GA30



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 30 dB and a typical noise figure of 4.5 dB across the frequency range of 0.02 to 18 GHz. The typical output power P-1 21dBm. The DC power requirement for the amplifier is +12 VDC/400 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.02-18		GHz
Gain		30		dB
Gain Flatness		±2		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power (P1dB)@0.02-0.5G	20	21		dBm
Output Power (P1dB)@0.5-18G	21	22		dBm
Noise Figure@0.02-0.5G		10		dB
Noise Figure@0.5-18G		4.5	5	dB
Spurious	60			dBc
Input Max Power(no damage)			+5	dBm
DC Current (Vcc=+12V)		400		mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium/Gold Painting		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



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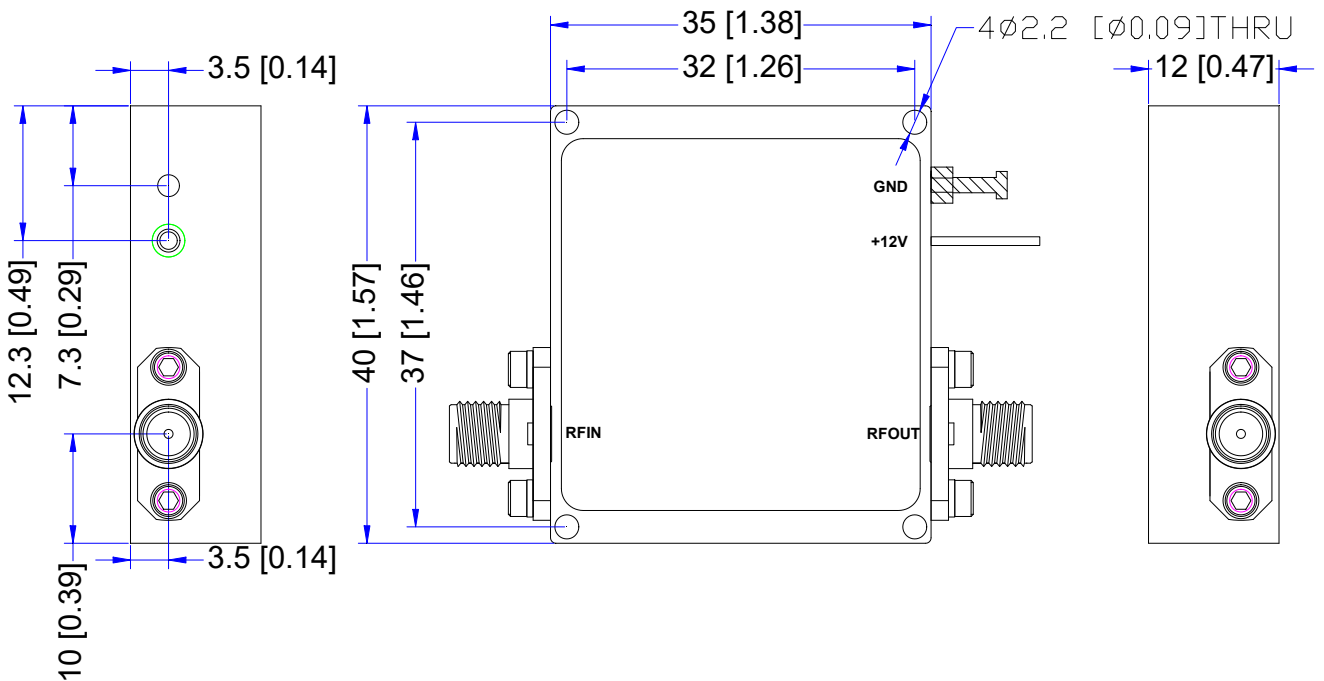
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■ Outline Drawing

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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