

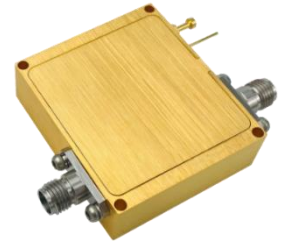
17.7-21.2GHz Low Noise Amplifier

P/N: LNA177212GA25



Description:

The amplifier is a low noise amplifier with a small signal gain of 25 dB and a noise figure of 4 dB across the frequency range of 17.7 to 21.2 GHz. The output power P-1 23 dBm. 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		17.7-21.2		GHz
Gain	25	27		dB
Gain Flatness		±0.5	±1	dB
Input Return Loss	14			dB
Output Return Loss	14			dB
Output Power for (P1dB)	23			dBm
Output Power Psat		24		dBm
Spurious		60		dBc
Noise Figure			4	dB
Output IP3		30		dBm
Input Max Power(no damage)			8	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



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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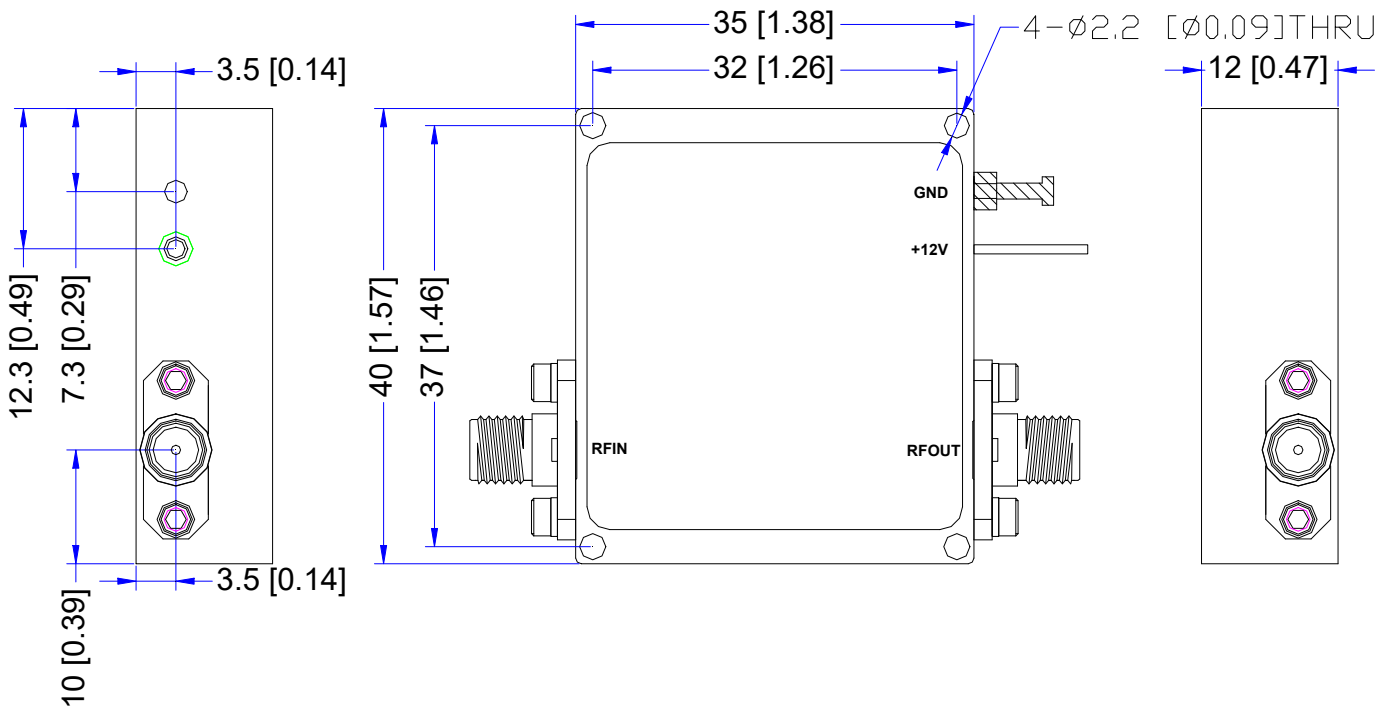
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■ Outline Drawing

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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