

0.5-40GHz Low Noise Amplifier

P/N: MZLNA005400GA42



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 42 dB and a typical noise figure of dB across the frequency range of 0.5 to 40 GHz. The typical output power P-1 17dBm. The DC power requirement for the amplifier is +8~12 VDC/450 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.5-40		GHz
Gain		42		dB
Gain Flatness		±3		dB
Input VSWR			2.5	-
Output VSWR			2.5	-
Output Power for (P1dB)	17			dBm
Spurious		-60		dBc
Input Max Power(no damage)			-15	dBm
Amplitude Linearity		±0.05		dB
Phase Linearity		±2		°
Amplitude Stability		0.2@8hour		dB
Phase Stability		3@8hour		°
Amplitude Consistency		±1.5(Batch)		dB
DC Current (Vcc=+12V)				mA
Impedance		50		Ω
Input/Output Connector		2.92mm-Female/2.92mm-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
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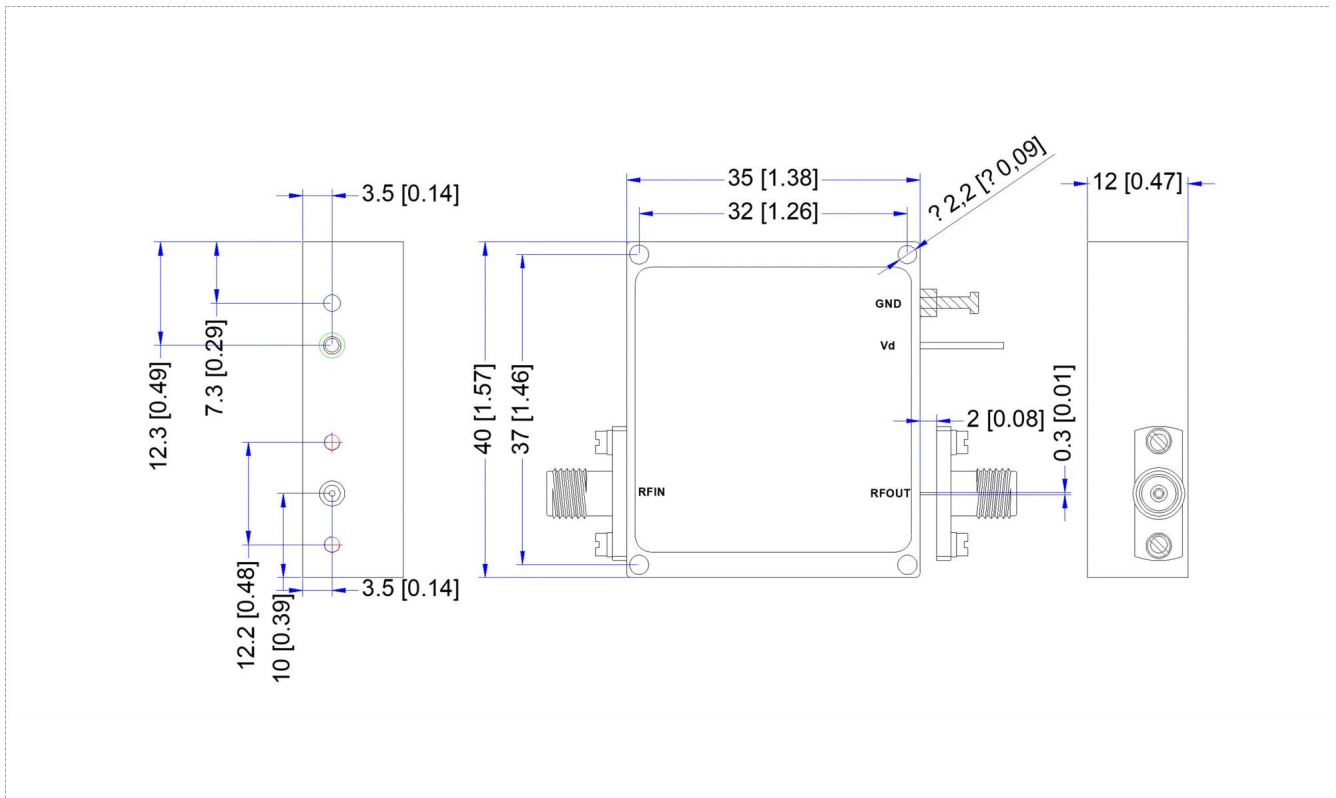
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■ Outline Drawing

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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