

42-52GHz Low Noise Amplifier

P/N: MZLNA4252GA48



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 48 dB and a typical noise figure of 5.0dB across the frequency range of 42 to 52 GHz. The typical output power P-1 10dBm. The DC power requirement for the amplifier is +8~12 VDC/350 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		42-52		GHz
Gain		48		dB
Gain Flatness		±2.5	±3.5	dB
Input VSWR		2.0	2.5	-
Output VSWR		2.0	2.5	-
Output Power for (P1dB)		10		dBm
Saturated Output Power (Psat)		12		dBm
Noise Figure		5.0		dB
Spurious		-60		dBc
Input Max Power(no damage)			-15	dBm
DC Current (Vcc=+8~12V)		350		mA
Impedance		50		Ω
Input/Output Connector		1.85mm-Female/1.85mm-Female		
Material		Aluminium		
Weight		30g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



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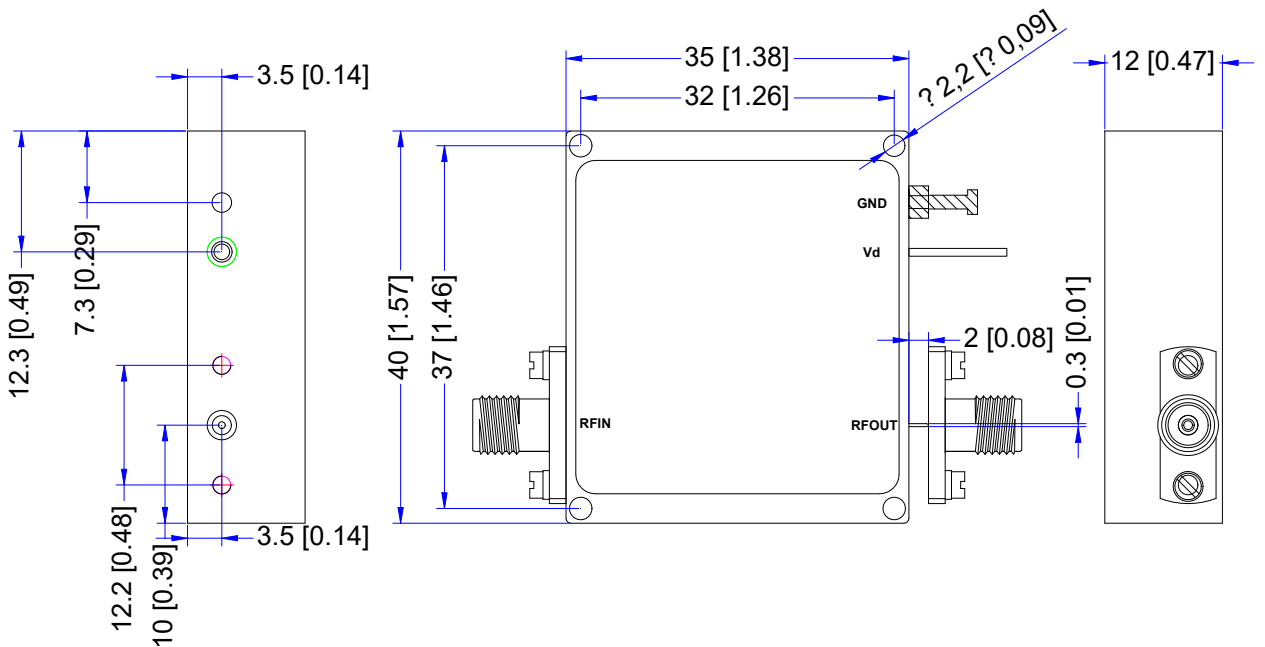
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■ Outline Drawing

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.

MICZEN THCHNOLOGIES CO.,LTD.

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