

24-44GHz Low Noise Amplifier

P/N: MZLNA2444GA38



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 40 dB and a typical noise figure of 5.0 dB across the frequency range of 24 to 44 GHz. The typical output power P-1 21dBm. The DC power requirement for the amplifier is +12 VDC/750 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		24-44		GHz
Gain	38	40		dB
Gain Flatness		±3.0	±4.0	dB
Input VSWR		1.8	2.5	-
Output VSWR		1.8	2.5	-
Output Power for (P1dB)	20	21		dBm
Output Power Psat		22		dBm
Output IP3		30		dBm
Noise Figure		5	6	dB
Spurious		-60		dBc
Input Max Power(no damage)			-5	dBm
DC Current (Vcc=+12V)		750		mA
Impedance		50		Ω
Input/Output Connector	2.4mm-Female/2.4mm-Female			
Material	Aluminium/Gold Painting			
Weight	50g			
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

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



OBSERVE
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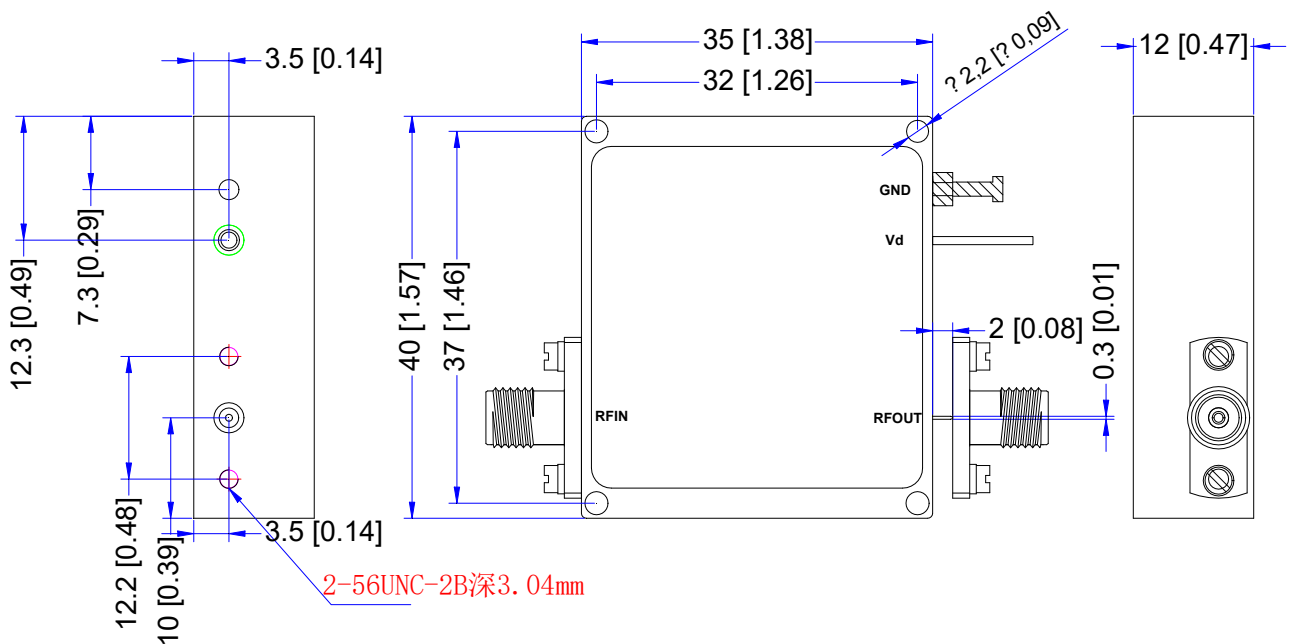
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■ Outline Drawing

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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