

34-36GHz Low Noise Amplifier

P/N: LNA3436GA40



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 40 dB and a typical noise figure of 3.0 dB across the frequency range of 34 to 36 GHz. The typical output power P-1 20dBm. The DC power requirement for the amplifier is +12 VDC/300 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		34-36		GHz
Gain	34	40	44	dB
Gain Flatness		±1.5	±2.5	dB
Input VSWR		1.8	2.0	-
Output VSWR		1.8	2.0	-
Output Power for (P1dB)	20	21		dBm
Output Power Psat		22		dBm
Output IP3		30		dBm
Noise Figure		2.5	3	dB
Spurious		-60		dBc
Input Max Power(no damage)			-5	dBm
DC Current (Vcc=+12~+15V)		300		mA
Impedance		50		Ω
Input/Output Connector	2.92mm-Female/2.92mm-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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MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

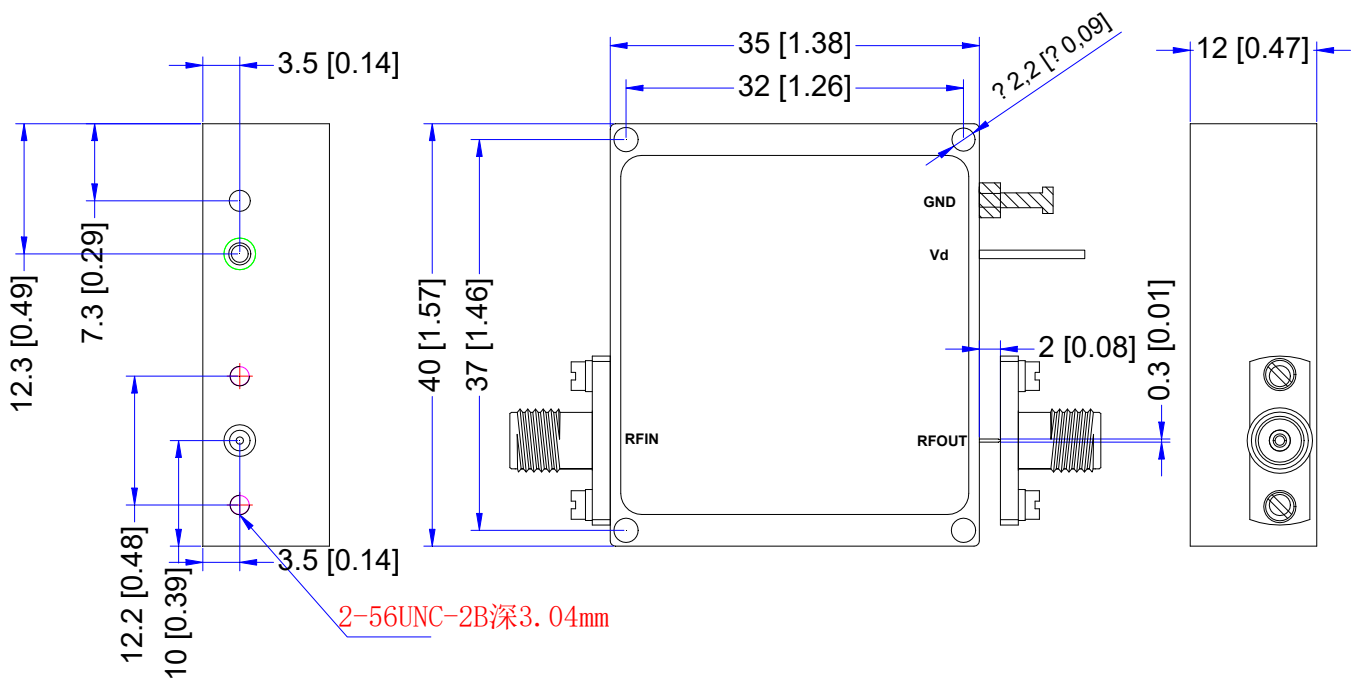
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■ Outline Drawing

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.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com