

0.01-40GHz Low Noise Amplifier

P/N: LNA0001400GA35



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 35 dB across the frequency range of 0.01 to 40 GHz. The typical output power P-1 18dBm. The DC power requirement for the amplifier is +12~15VDC/0.4 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.01-40		GHz
Gain(0.01-6GHz)	25	30	35	dB
Gain(6-26GHz)	22	25	32	dB
Gain(26-40GHz)	20	24	30	dB
Gain Flatness		±2.5		dB
VSWR		1.8	2.0	-
Output Power for (P1dB 0.01-26GHz)	18	20		dBm
Output Power for (P1dB 26-40GHz)	13	16		dBm
Output Power Psat		21		dBm
OIP3		26		dBm
Noise Figure		6		dB
Spurious		-60		dBc
Input Max Power(no damage)			0	dBm
DC Current (Vcc=+12/15V)		400	500	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 -40°C~+85°C
- ※ Storage Temperature -50°C~+105°C



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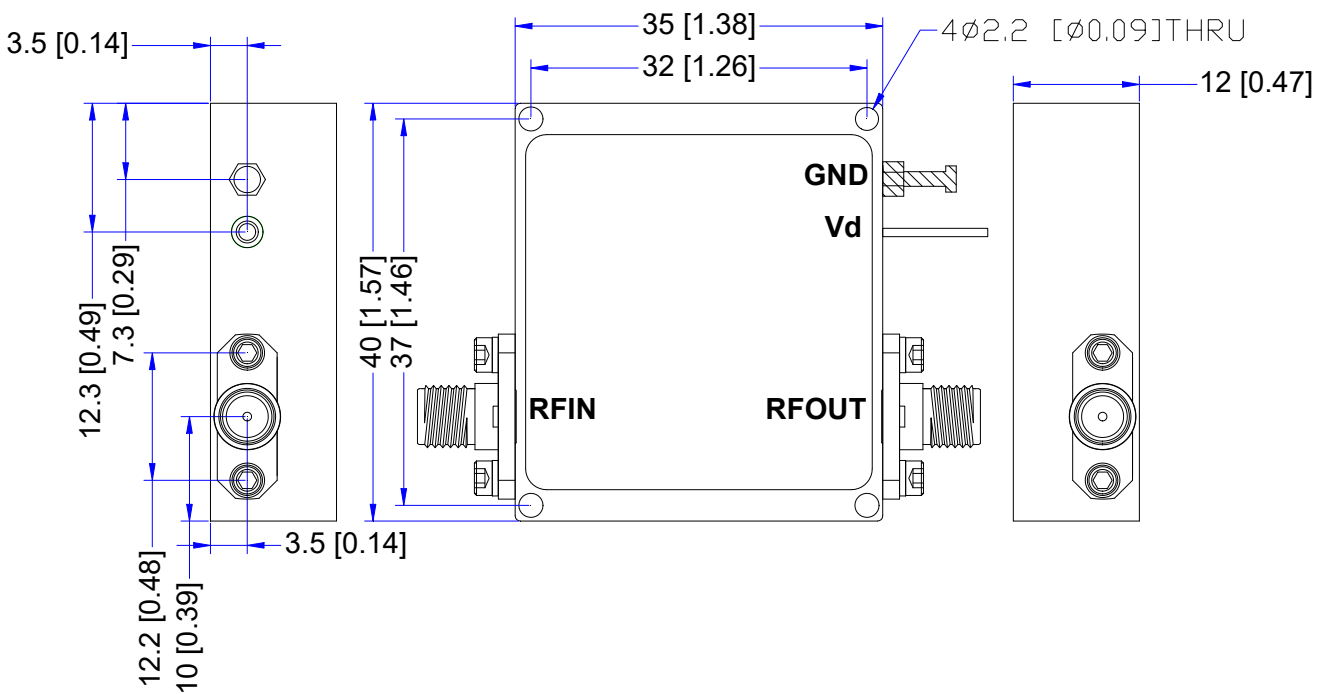
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■ Outline Drawing

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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