

18-40GHz Low Noise Amplifier

P/N: MZLNA1840GA23



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 28 dB and a typical noise figure of 3.5 dB across the frequency range of 18 to 40 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		18-40		GHz
Gain	23	28		dB
Gain Flatness		±2.0	±2.5	dB
Input VSWR		1.8	2.5	-
Output VSWR		1.8	2.5	-
Output Power for (P1dB)	15	20		dBm
Spurious		-60		dBc
Noise Figure		3.5	5.0	dB
Output IP2	20	23		dBm
Output IP3		23		dBm
Input Max Power(no damage)			-10	dBm
DC Current (Vcc=+12~24V)		200	300	mA
Phase Linearity	Per GHz over complete band is +/- 7 Deg max Over Full Band is +/-20 Deg max			
Unit to Unit Phase Tracking		+/-30		Deg
Group Delay		+/-100		ps
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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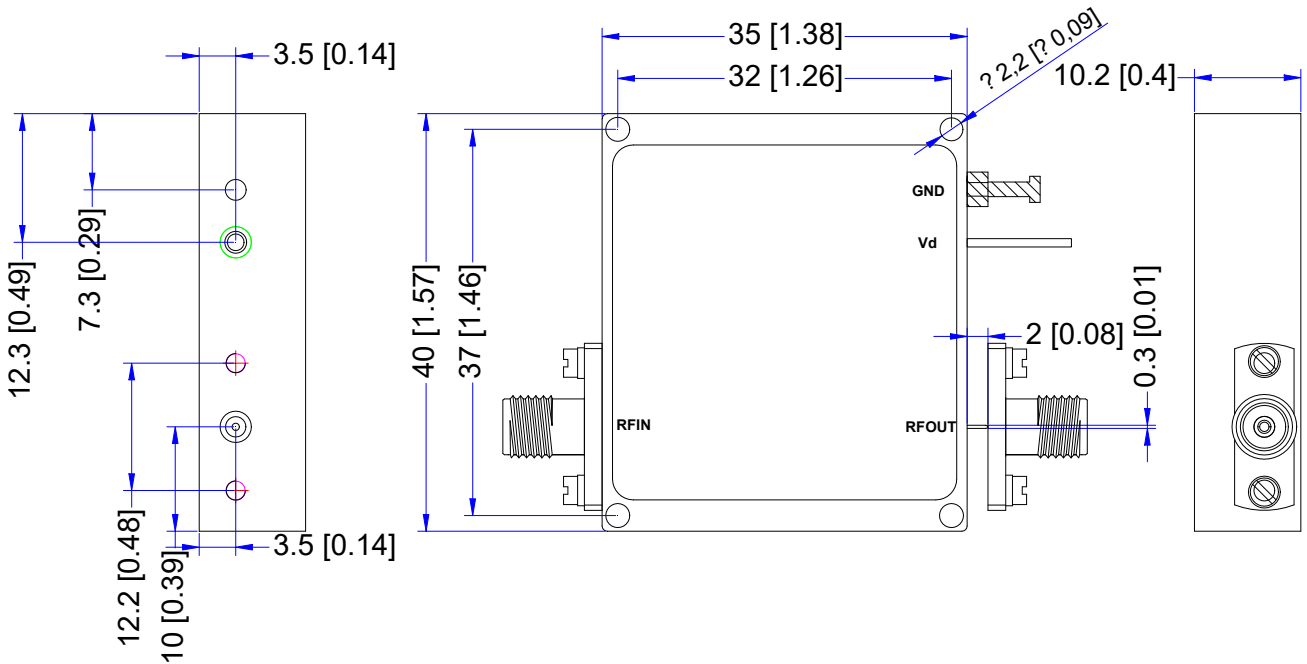
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■ Outline Drawing

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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