

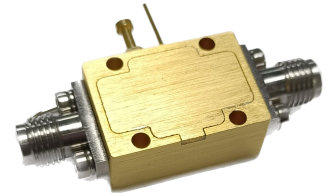
15-18GHz Low Noise Amplifier

P/N: MZLNA1518GA40



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 42 dB and a typical noise figure of 1.7 dB across the frequency range of 15 to 18 GHz. The typical output power P-1 10dBm. The DC power requirement for the amplifier is +12 VDC/120 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		15-18		GHz
Gain	40		42	dB
Gain Flatness			±0.5	dB
Input VSWR		1.4	1.75	-
Output VSWR		1.3	1.75	-
Output Power for (P1dB)	10			dBm
Output Power Psat		15		dBm
Noise Figure			1.7	dB
Unit Matching			±0.5	dB
Spurious		-60		dBc
Output IP3	20			dBm
Input Max Power(no damage)			75	mW
DC Current (Vcc=+12V)		100	120	mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-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
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

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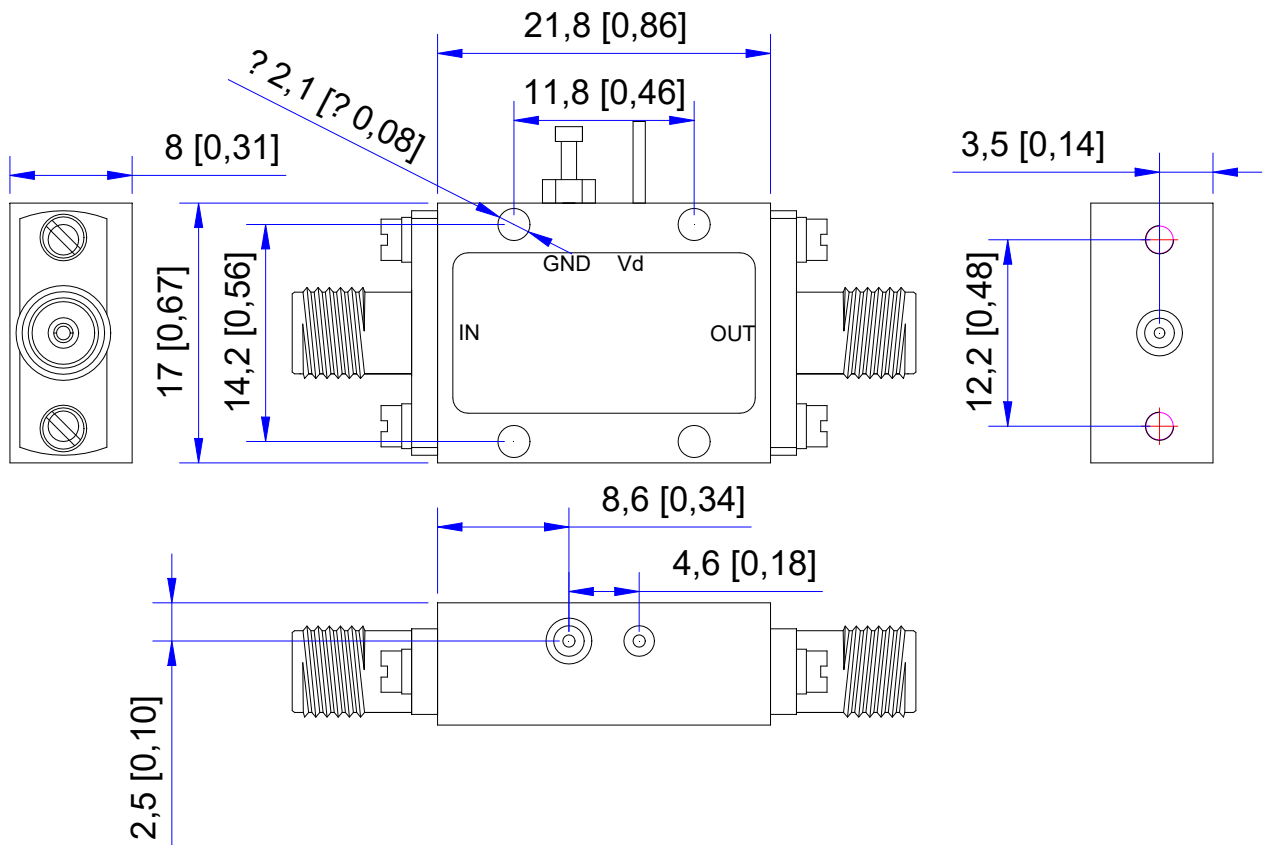
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■ Outline Drawing

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 THCNOLOGIES CO.,LTD.

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