

1-20GHz Low Noise Amplifier

P/N: LNA0120GAC30



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 33 dB and a typical noise figure of 6 dB across the frequency range of 1 to 20 GHz. The typical output power P-1 8 dBm. The AC power requirement for the amplifier is 220VAC/50Hz. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1-20		GHz
Gain	30	33		dB
Gain Flatness		±2.5		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Noise Figure		4.5	5	dB
Output Power for (P1dB)		8		dBm
Output Power Psat	10	15		dBm
Input Max Power(no damage)			-15	dBm
AC power supply		220V/50Hz		-
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium/Black anodizing		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature -45°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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

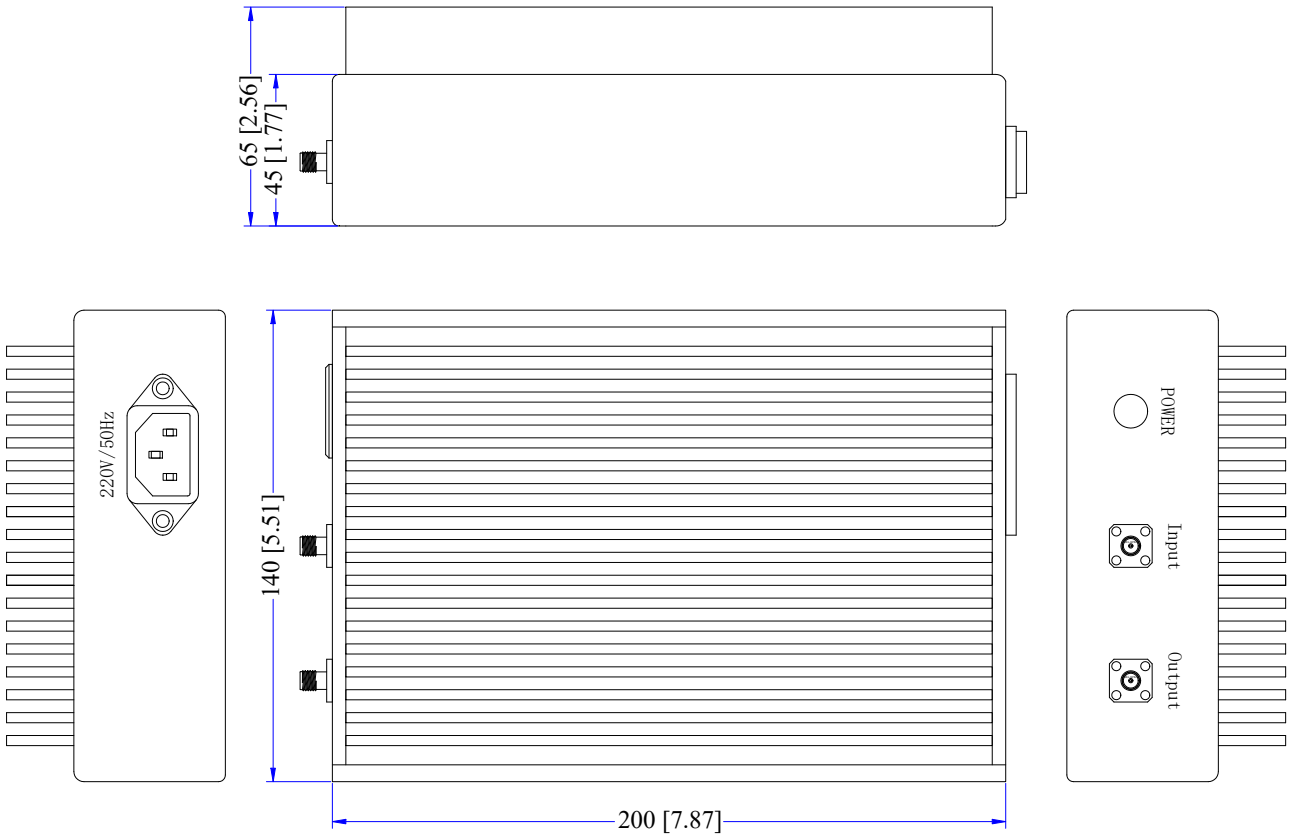
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■ Outline Drawing

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

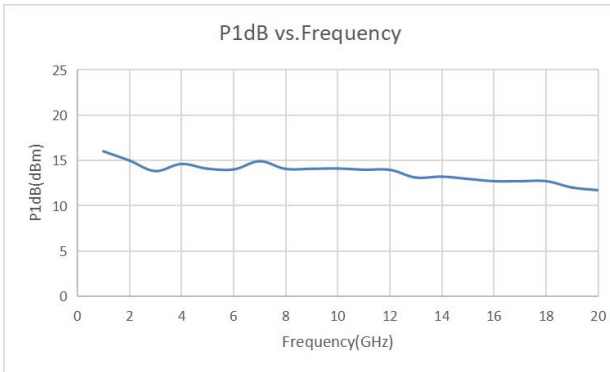
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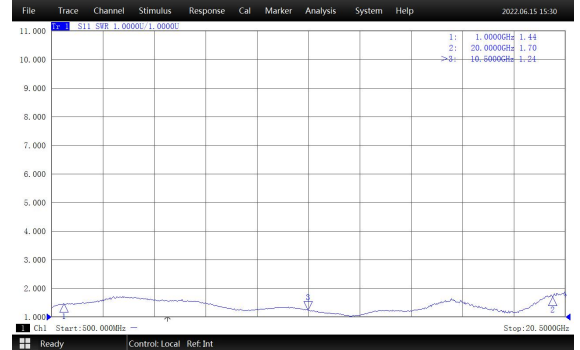


Performance Plot

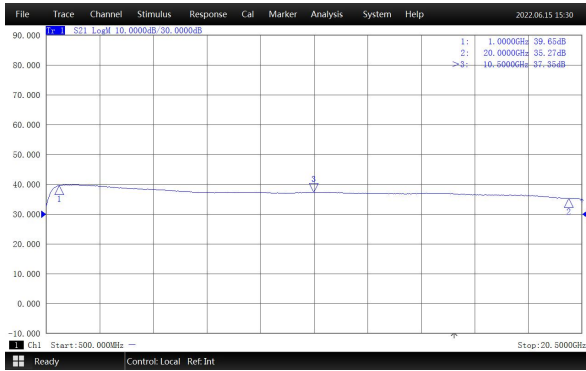
P1



S11



S21



S22

