

50-75GHz Low Noise Amplifier

P/N: LNA5075GAC33



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 33 dB and a typical noise figure of 5 dB across the frequency range of 50 to 75 GHz. The typical output power P-1 8dBm. The DC power requirement for the amplifier is 220V/50Hz AC. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		50-75		GHz
Gain		33		dB
Gain Flatness		±4		dB
Input VSWR		2.6		-
Output VSWR		2.6		-
Output Power for (P1dB)		8		dBm
Noise Figure		5		dB
Input Max Power(no damage)			-10	dBm
Power Supply		110~220/50Hz		
Impedance		50		Ω
Input/Output Connector		WR-15 Waveguide with UG-385/U-M Flange		
Material		Aluminium		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
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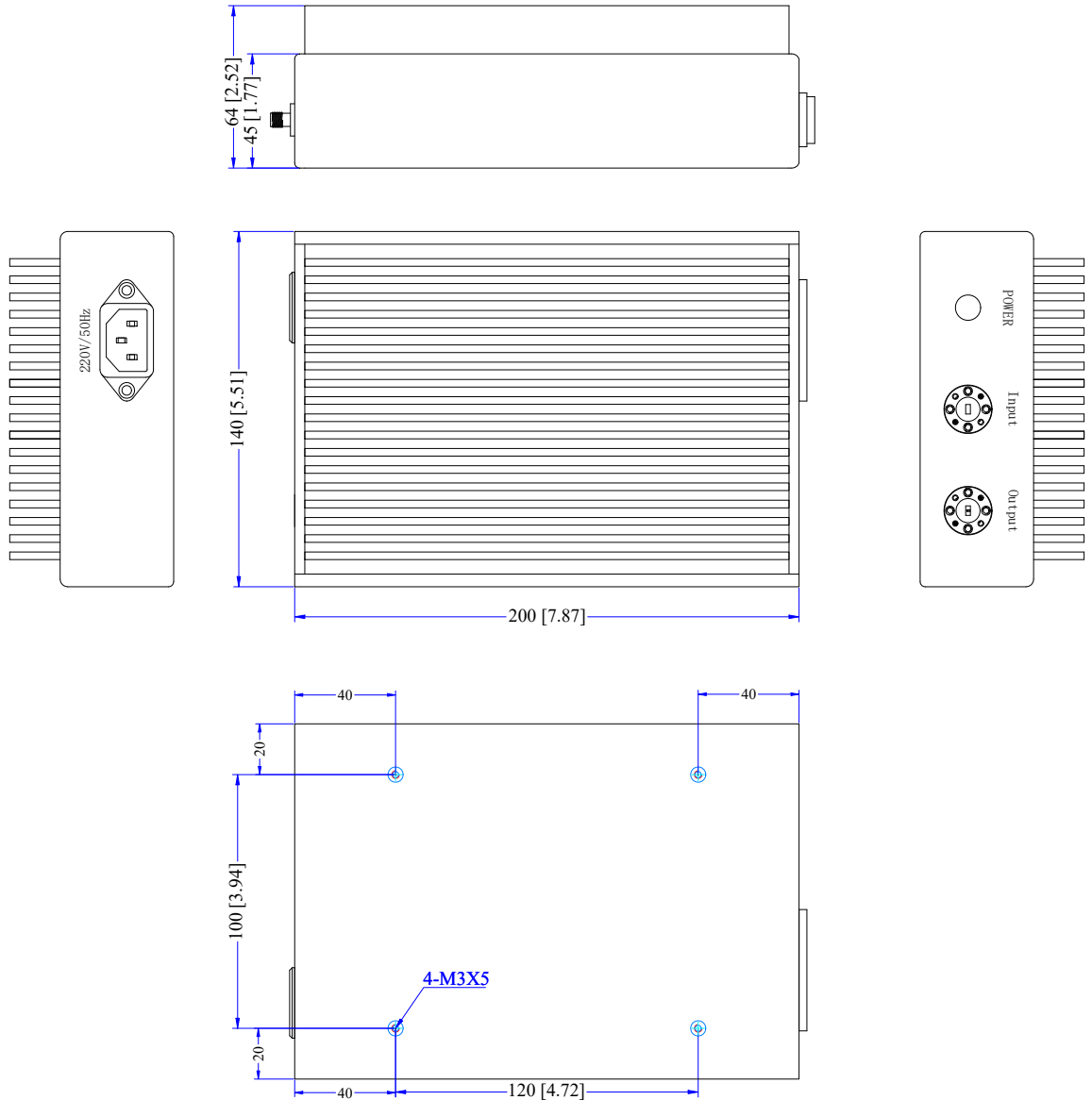
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■ Outline Drawing

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.

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