

# 1-20GHz 0.5W Power Amplifier

P/N: PA0120GAC0.5W



## Description:

The power amplifier is a 0.5W power amplifier with a typical small signal gain of 33 dB across the frequency range of 1 to 20 GHz. The typical output power is 28 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		-
Output Power for (P1dB)		25		dBm
Output Power Psat	27	28		dBm
Input Max Power(no damage)			5	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 -25°C~+55°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

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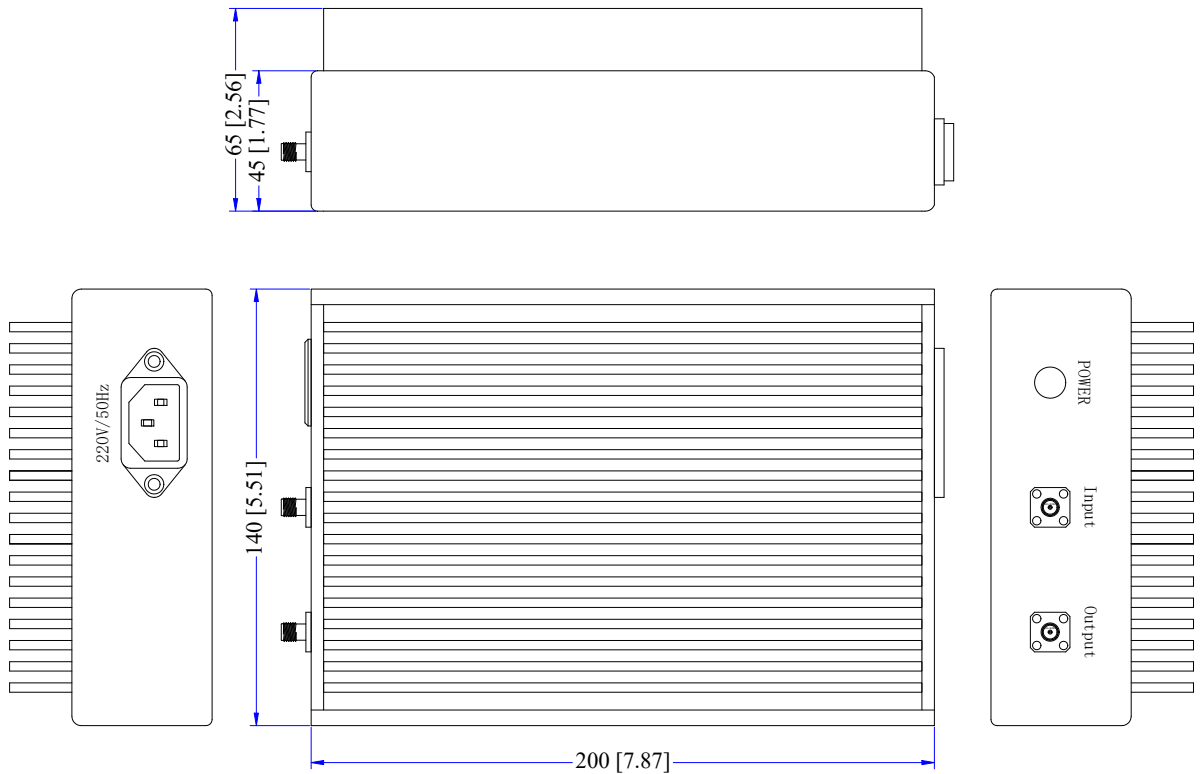
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## ■ Outline Drawing

All Dimensions in mm (inches) Tolerance  $\pm 0.25$  (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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