

# 18-40GHz Power Amplifier

P/N: PA1840GCC1W



## Description:

The power amplifier is a 1W power amplifier with a small signal gain of 40 dB across the frequency range of 18 to 40 GHz. The typical output power P-1 30dBm. The AC power requirement for the amplifier is 220/50Hz VAC .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	35	40		dB
Gain Flatness		±3.0	±3.5	dB
Input VSWR		2.0	2.2	-
Output VSWR		2.0	2.2	-
Noise Figure			5	dB
Output Power for (P1dB)	29	30		dBm
Output Power Psat		31		dBm
Spurious		-60		dBc
Input Max Power(no damage)			+3	dBm
AC		110~220V/50Hz		
Impedance		50		Ω
Input/Output Connector		2.92-Female/2.92-Female		
Material		Aluminium/Black anodizing		
Weight		2Kg		
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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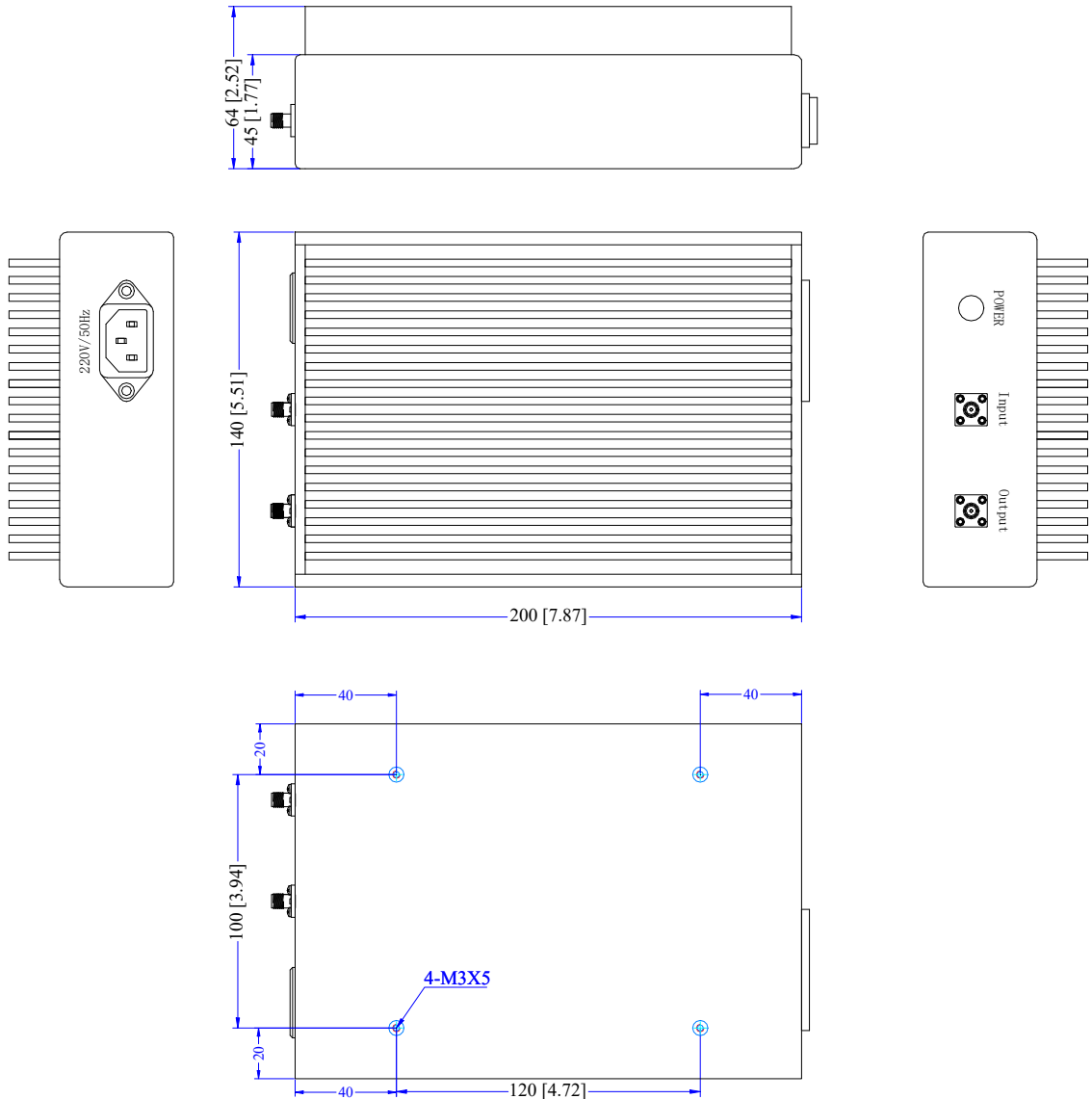
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## ■ Outline Drawing

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

