

# 5.85-6.425GHz Power Amplifier

P/N: PA05850642GAC50W



## Description:

The power amplifier is a power amplifier with a typical small signal gain of 48 dB across the frequency range of 5.85 to 6.425 GHz. The typical output power Past 47dBm. The AC power requirement for the amplifier is 110~220/50Hz VAC. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		5.850-6.425		GHz
Gain	46	48		dB
Gain Flatness		±0.6@40MHz		dB
Input VSWR		1.3		:1
Output VSWR		1.3		:1
Output Power for (P1dB)		46		dBm
Output Power Psat		47		dBm
Harmonic Better than		-50(at rated output)		dBc
Spurious (in band) Better than		-60(at rated output)		dBc
Two tone inter- modulation@P-1		-25		dBc
Gain stability over full temp		±1.5		dB
Supply Voltage		110~220/50Hz		VAC
Impedance		50		Ω
Input/Output Connector		N-Female/CPR 137G		
Material		Aluminium		
Weight		-		
Package Sealing		General Sealing (Standard)		

## Environmental Specifications:

- ※ Operational Temperature -25°C~+50°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

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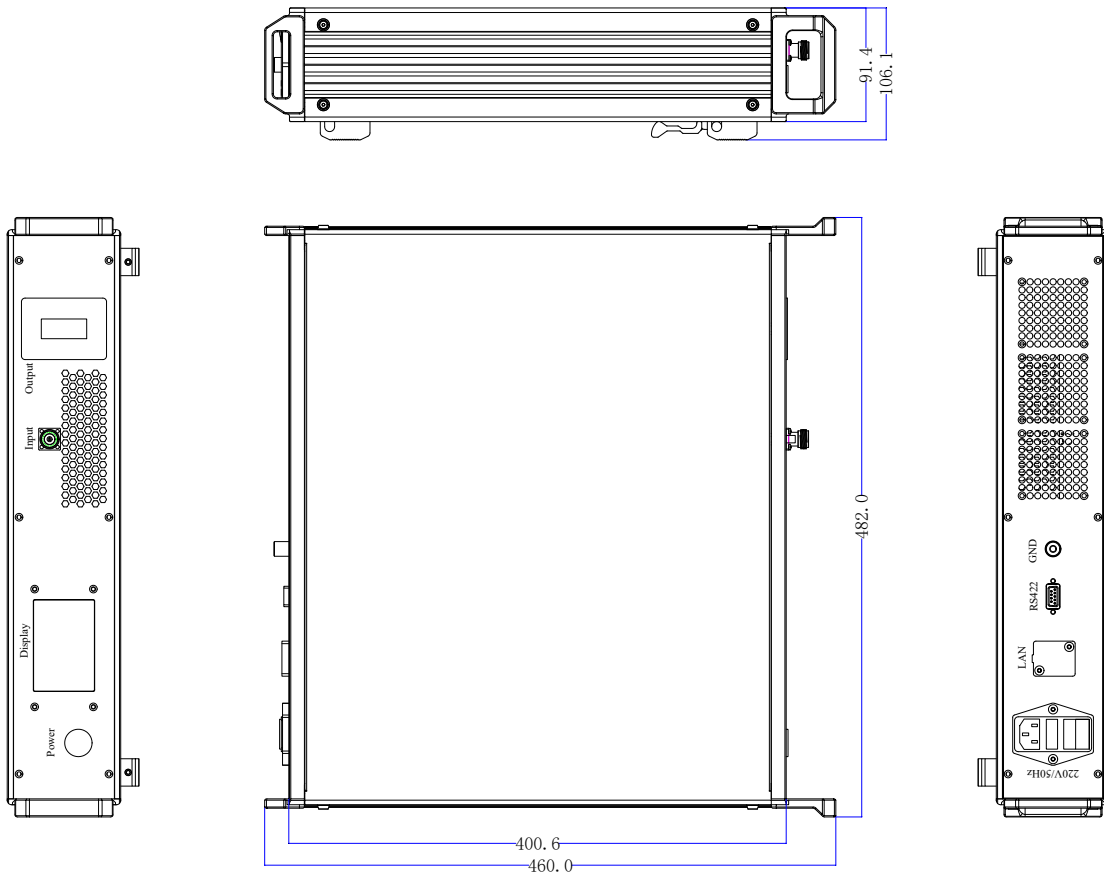
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## ■ Outline Drawing

All Dimensions in mm (inches) Tolerance  $\pm 0.25$  (0.01)



### Function:

1. Product with forced air cooling
2. Product with overheating protection
3. Product with open circuit protection
4. Product with output power display

**\*\*\*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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