

# 12-18GHz 50W Power Amplifier

P/N: PA1218GAC50W



## Description:

The power amplifier is a power amplifier with a typical small signal gain of 38 dB across the frequency range of 12 to 18 GHz. The typical output power is 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		12-18		GHz
Gain	32	38		dB
Gain Flatness		±2.5		dB
Input VSWR		2.0		-
Output Power for (P1dB)		43		dBm
Output Power Psat		47		dBm
Spurious		-60		dBc
Input Max Power(no damage)			18	dBm
Supply Voltage		110~220/50Hz		VAC
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		-		
Package Sealing		General Sealing (Standard)		
Cooling mode		Air cooling		
Protection function		Over temperature protection		

## Environmental Specifications:

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



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

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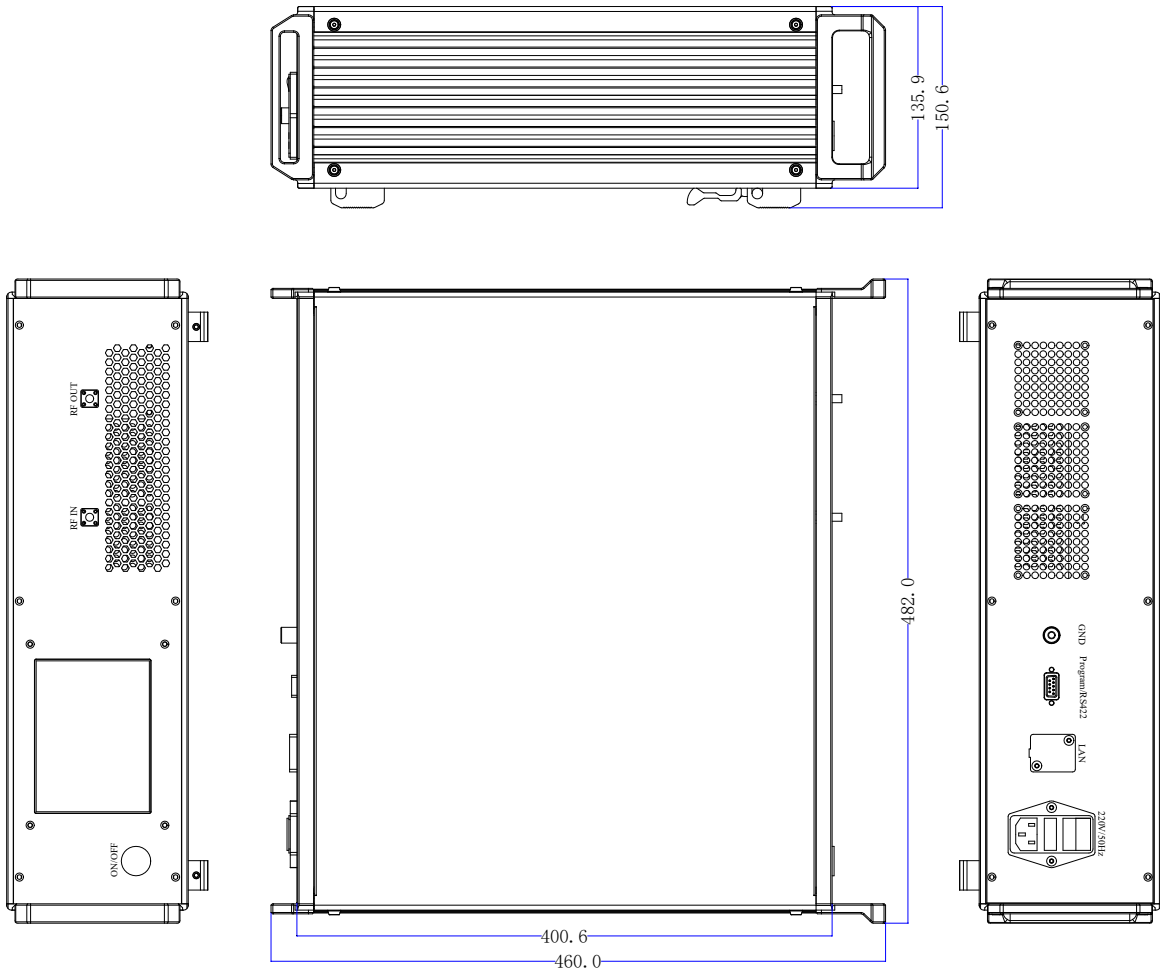
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## ■ Outline Drawing

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



### Notes:

1. This product comes with a monitor. If there are content requirements, please explain
2. This product is equipped with network communication interface. Please explain if you need it

**\*\*\*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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