

1-18GHz 1W Power Amplifier

P/N: MZPA0118GAC20



Description:

The power amplifier is a power amplifier with a typical small signal gain of 24 dB across the frequency range of 1 to 18 GHz. The typical output power P-1 25dBm. The DC power requirement for the amplifier is +9~15 VDC/0.9 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1-18		GHz
Gain	20	24		dB
Gain Flatness		±1.5	±2.0	dB
Input VSWR		1.7	2.0	-
Output VSWR		1.7	2.0	-
Output Power for (P1dB)		25		dBm
Output Power Psat	26			dBm
Noise Figure		4		dB
Spurious		-60		dBc
OIP3		36		dBm
Input Max Power(no damage)			10	dBm
AC		110~220/50Hz		
Impedance		50		Ω
Input/Output Connector		2.92mm-Female/2.92mm-Female		
Material		Aluminium		
Weight		800g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



OBSERVE
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SENSITIVE DEVICES

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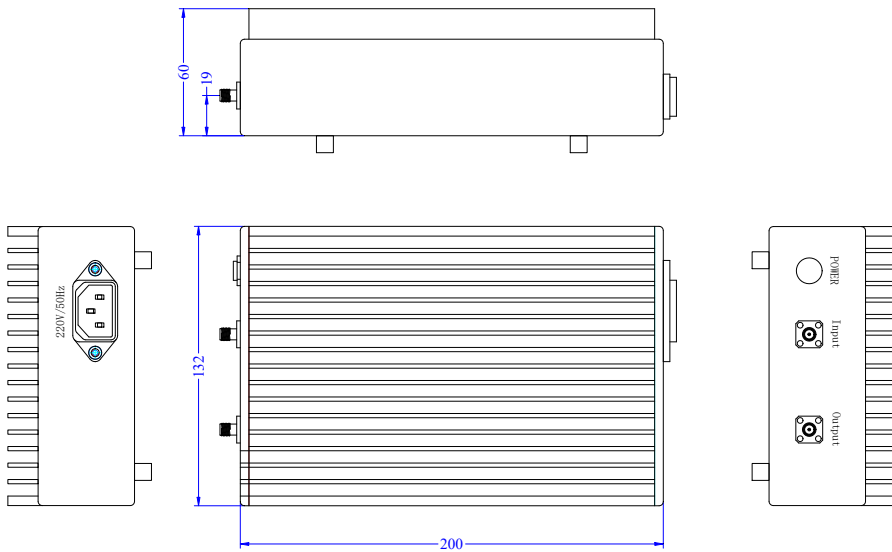
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■ Outline Drawing

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.

MICZEN THCHNOLOGIES CO.,LTD.

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