

1-18GHz AC Medium Power Amplifier

P/N: MZPA0118GAC20



■ Features

- Ultra Wide Band: 1-18GHz
- Gain: 20dB
- Output Power: 26dBm
- High Output IP3: 36dBm

■ Applications

- 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	dB
Input VSWR		1.7	2.0	-
Output VSWR		1.7	2.0	-
Output Power for 1 dB Compression (P1dB)		25		dBm
Output Power Past	26			dBm
Noise Figure		4		dB
Spurious		-60		dBc
Output IP3		36		dBm
Input Max Power(no damage)			10	dBm
AC		110~220/50Hz		
Impedance		50		Ω
Input Output Connector		2.92mm-Female		
Material		Aluminium		
Weight		800g		
Package Sealing		General Sealing (Standard)		

MICZEN THCNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

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■ Environmental Conditions

Operational Temperature	-45°C~+85°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave, 3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

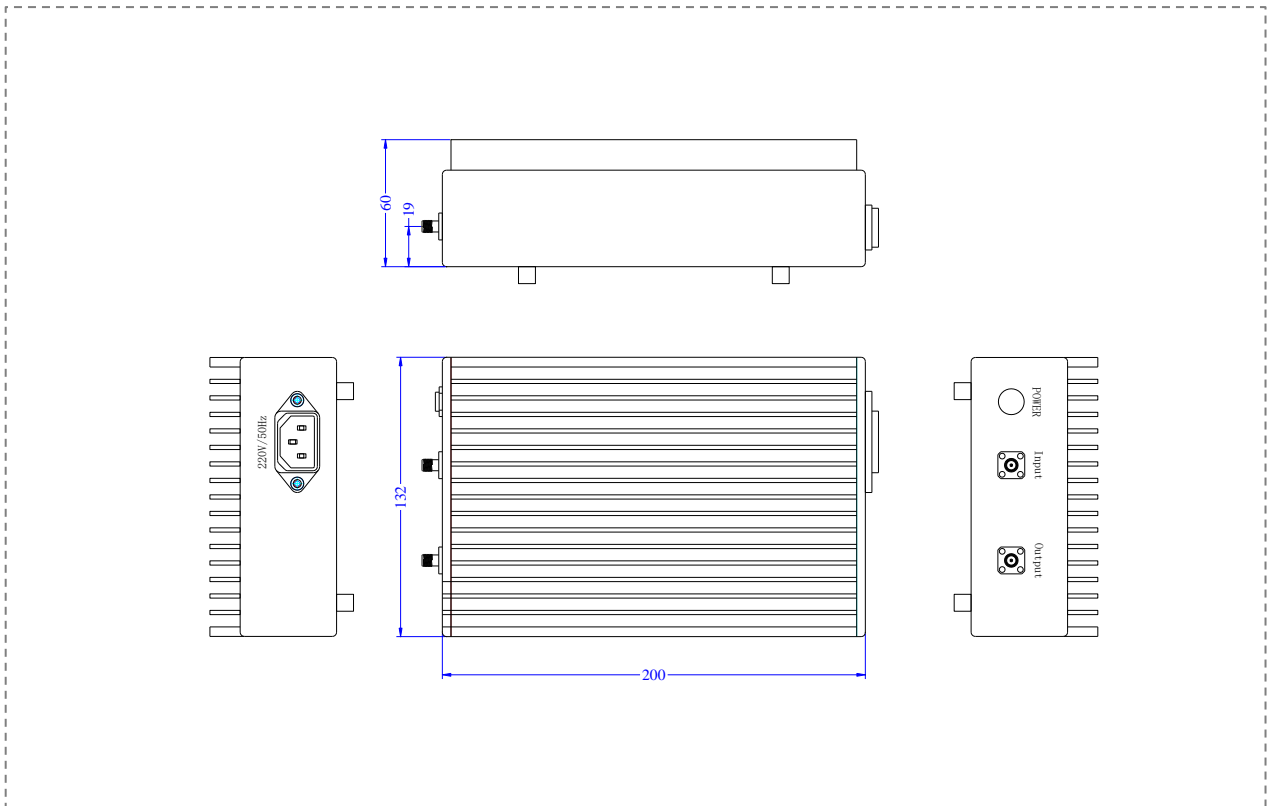
■ Absolute Maximum Ratings

Supply Bias Voltage	/
RF INPUT POWER	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



■ Outline Drawing

All Dimensions in mm (inches) Tolerance ±0.25 (0.01)



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