

# 2-6GHz 20W Power Amplifier

P/N: MZPA0206GA20W



## Description:

The power amplifier is a 20W power amplifier with a typical small signal gain of 48 dB across the frequency range of 2 to 6 GHz. The typical output power P-1 43dBm. The DC power requirement for the amplifier is +28 VDC/7 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		2-6		GHz
Gain	48			dB
Gain Flatness		3	5	dB
Input VSWR		1.5	1.9	-
Output Power for (P1dB)		43		dBm
Output Power Psat	46.5	47		dBm
Flatness@Past		1	2	dB
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+28V)(@Pout=40W)		7	8	A
Impedance		50		Ω
Input/Output Connector	SMA-Female/SMA-Female			
Material	Aluminium			
Weight	1100g			
Package Sealing	220*100*28mm			

## Environmental Specifications:

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



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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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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