

23-31GHz 0.5W Power Amplifier

P/N: MZPA2331GA0.5WQ



Description:

The power amplifier is a 0.5W power amplifier with a typical small signal gain of 36 dB across the frequency range of 23 to 31 GHz. The typical output power P-1 28dBm. The DC power requirement for the amplifier is +6~15 VDC/1 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		23-31		GHz
Gain		36		dB
Gain Flatness		±2.0		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for (P1dB)		28		dBm
Output Power Psat		29		dBm
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
DC Current (Vcc=+6~15V)		0.5	1	A
Impedance		50		Ω
Input/Output Connector	2.92mm-Female/2.92mm-Female			
Material	Aluminium\Gold Painting			
Weight	200g			
Package Sealing	Air Sealing (Laser seal welding)			

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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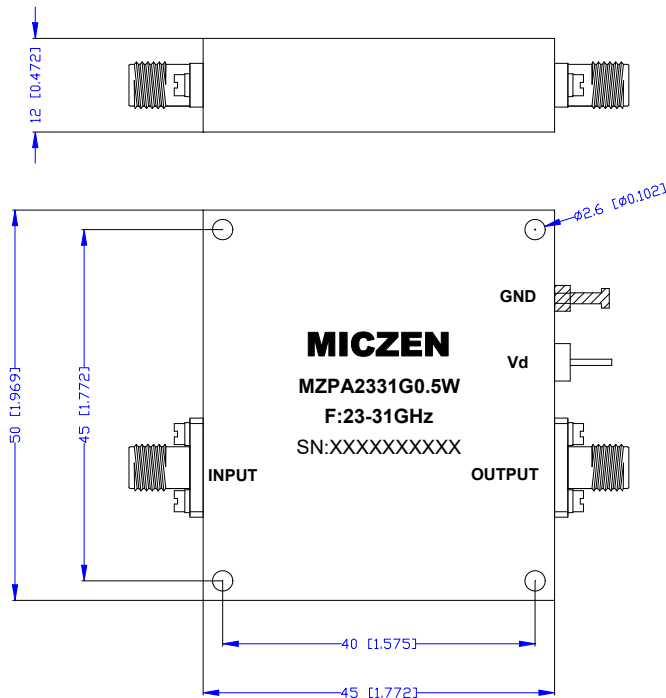
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■ Outline Drawing

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 THCNOLOGIES CO.,LTD.

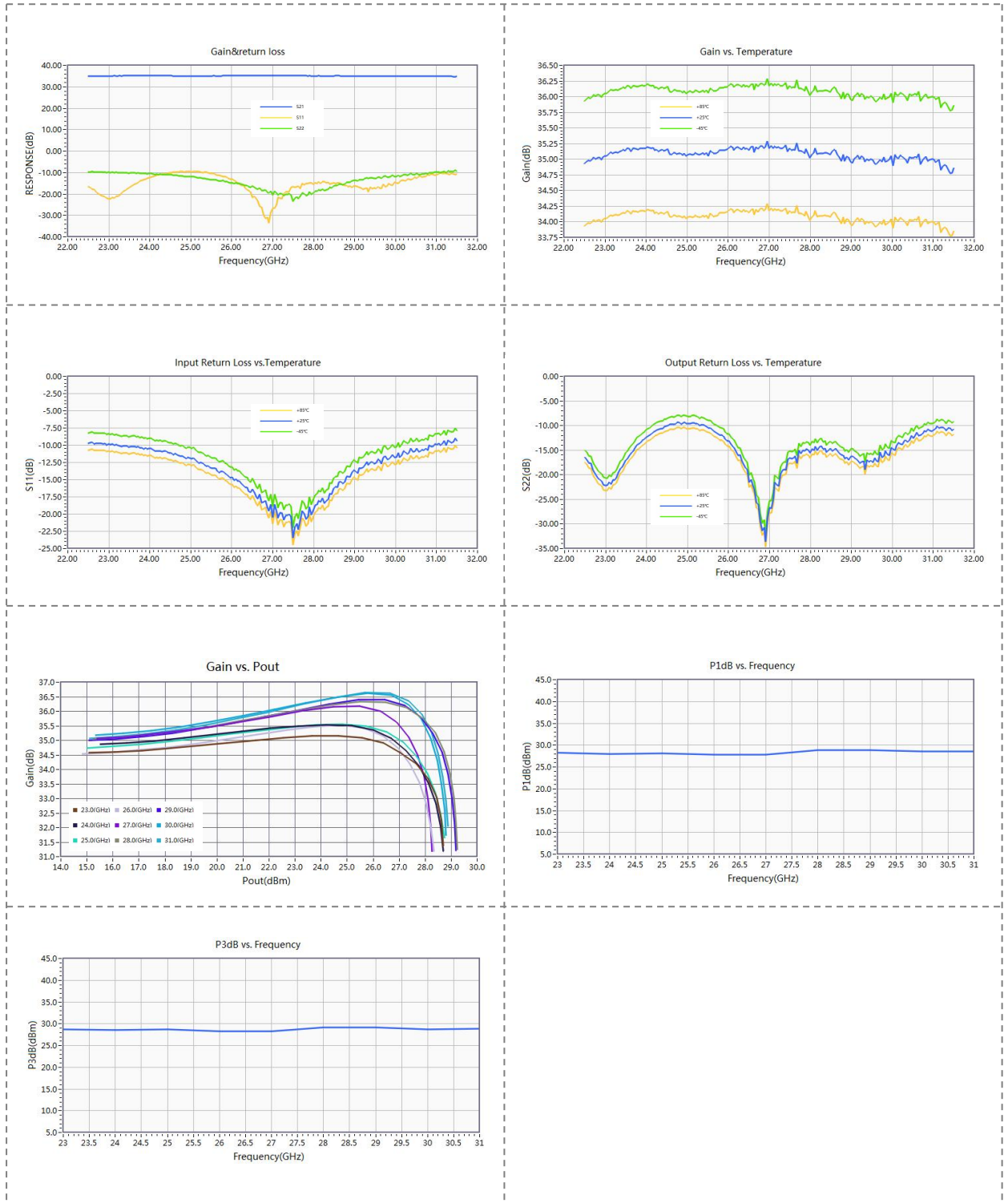
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Performance Plot



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