

0.2-20GHz 1W Power Amplifier

P/N: MZPA00220GA1W



Description:

The power amplifier is a 1W power amplifier with a typical small signal gain of 32 dB across the frequency range of 0.2 to 20 GHz. The typical output power P-1 28dBm. The DC power requirement for the amplifier is $+15 \pm 0.6$ 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		0.2-20		GHz
Gain	32			dB
Gain Flatness			± 2.5	dB
Input VSWR		2.5		-
Output VSWR		2.5		-
Output Power for (P1dB)		28		dBm
Output Power Psat		30		dBm
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
OIP3		38		dBm
DC Current (Vcc= $+15 \pm 0.6$ V)			1	A
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		-		
Package Sealing		Gold Painting(Standard)		

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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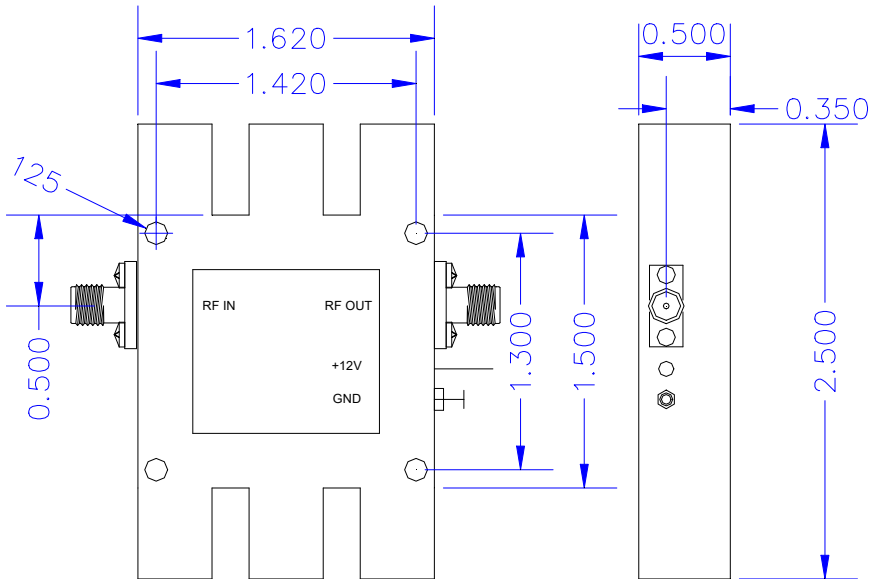
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■ Outline Drawing

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.

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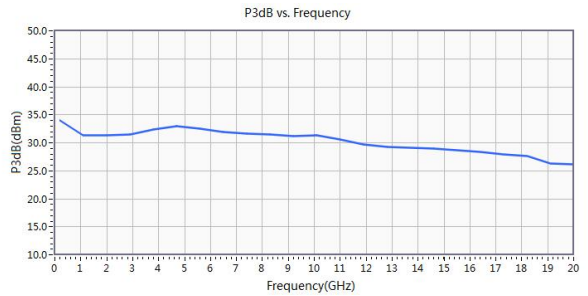
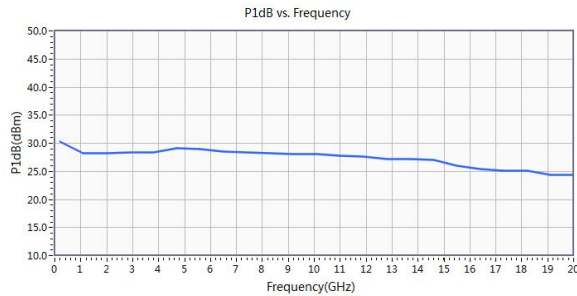
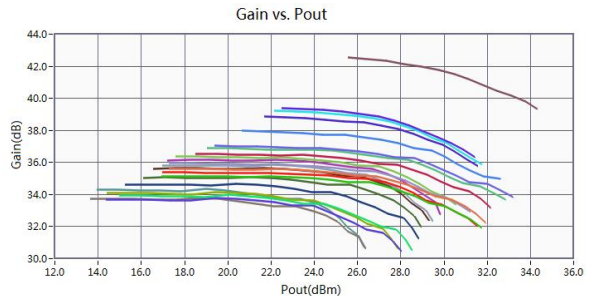
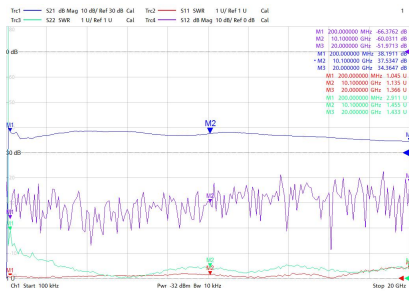
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Performance Plot

Gain&Input VSWR&Output VSWR



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