

# 22-44GHz 0.5W Power Amplifier

P/N: PA2244GA0.5W



## Description:

The power amplifier is a power amplifier with a typical small signal gain of 35 dB across the frequency range of 22 to 44 GHz. The typical output power P-1 25 dBm. The DC power requirement for the amplifier is +12 VDC/0.8 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		22-44		GHz
Gain	33	35		dB
Gain Flatness		±2.5	±3	dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for (P1dB)	23	25		dBm
Output Power Past		27		dBm
Input Max Power(no damage)			0	dBm
DC Current (Vcc=+12V)		800	900	mA
Impedance		50		Ω
Input/Output Connector		2.4mm-Female		
Material		Aluminium\Gold Painting		
Weight		78g		
Package Sealing		General Sealing (Standard)		

## Environmental Specifications:

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



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

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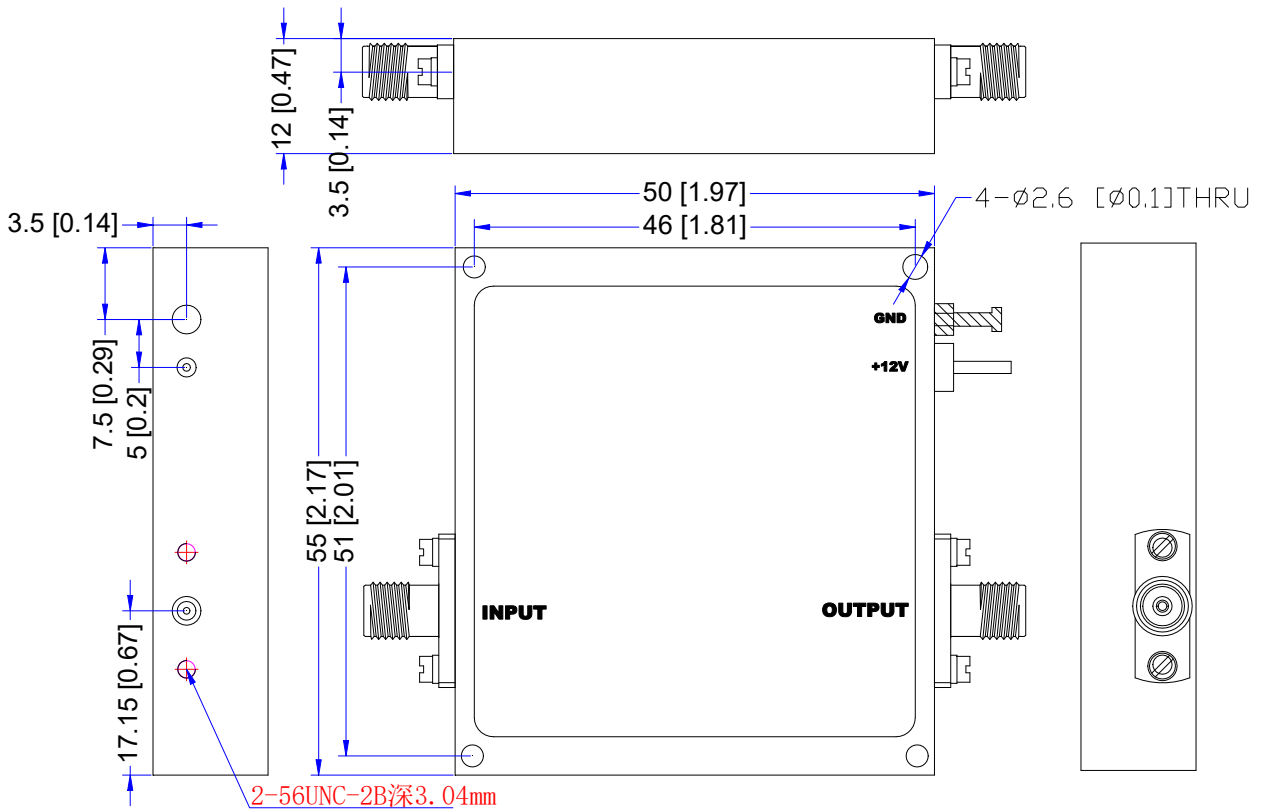
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## ■ Outline Drawing

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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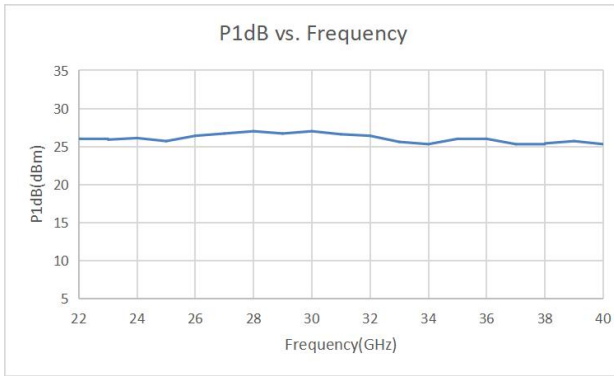
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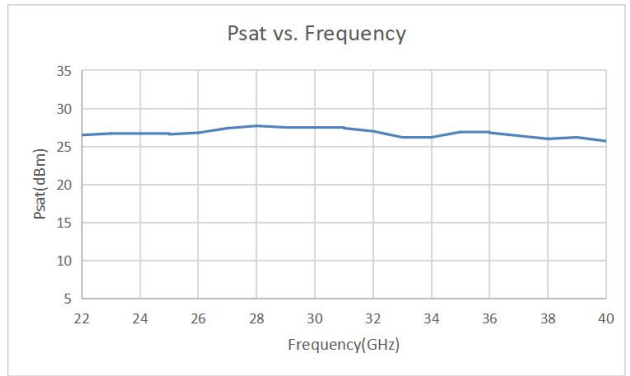


## Performance Plot

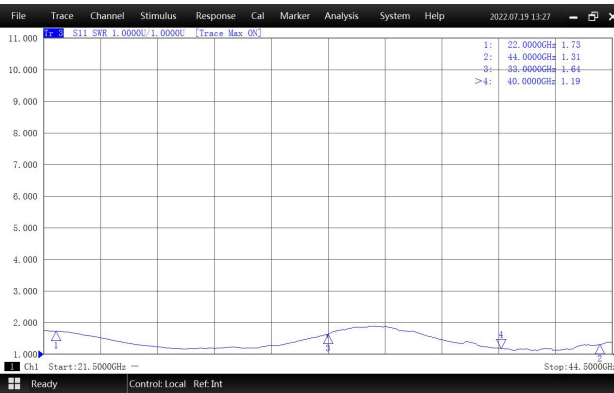
### P1



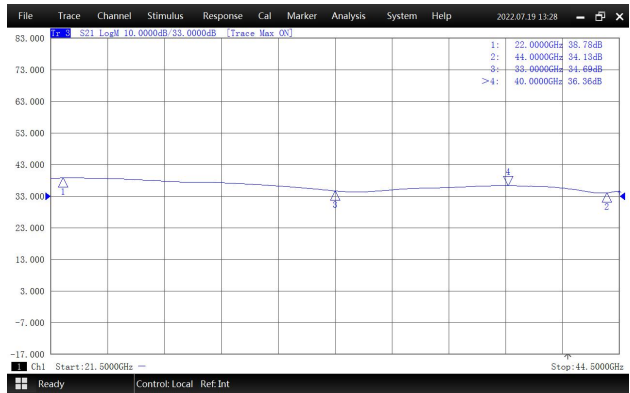
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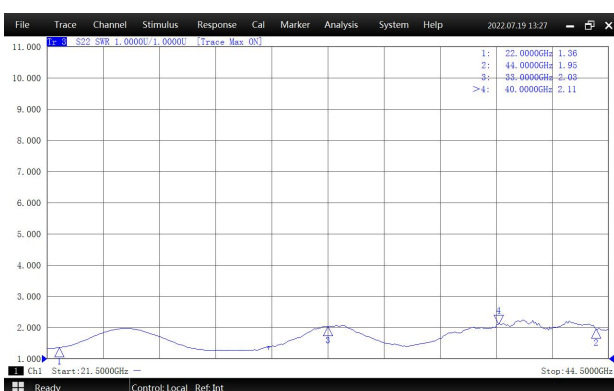
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### S22



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