

1-18GHz Power Amplifier

P/N: MZMPA0118GA25



Description:

The power amplifier is a power amplifier with a typical small signal gain of 25 dB across the frequency range of 1 to 18 GHz. The typical output power P-1 27dBm. The DC power requirement for the amplifier is +12 VDC/0.5 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1-18		GHz
Gain	20	25		dB
Gain Flatness		±3		dB
Input VSWR		1.5	2.0	-
Output VSWR		1.8	2.0	-
Noise Figure			5	dB
Second Harmonic		-15	-13	dBc
Output Power for (P1dB)	28	29		dBm
Output Power Psat	29			dBm
OIP3		40		-
Spurious		-60		dBc
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+12V)		0.5		A
Impedance		50		Ω
Input/Output Connector	SMA-Female/SMA-Female			
Material /Finishing	Aluminium/Gold Plated			
Weight	40g			
Finishing	General Sealing (Standard)			

Environmental Specifications:

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



OBSERVE
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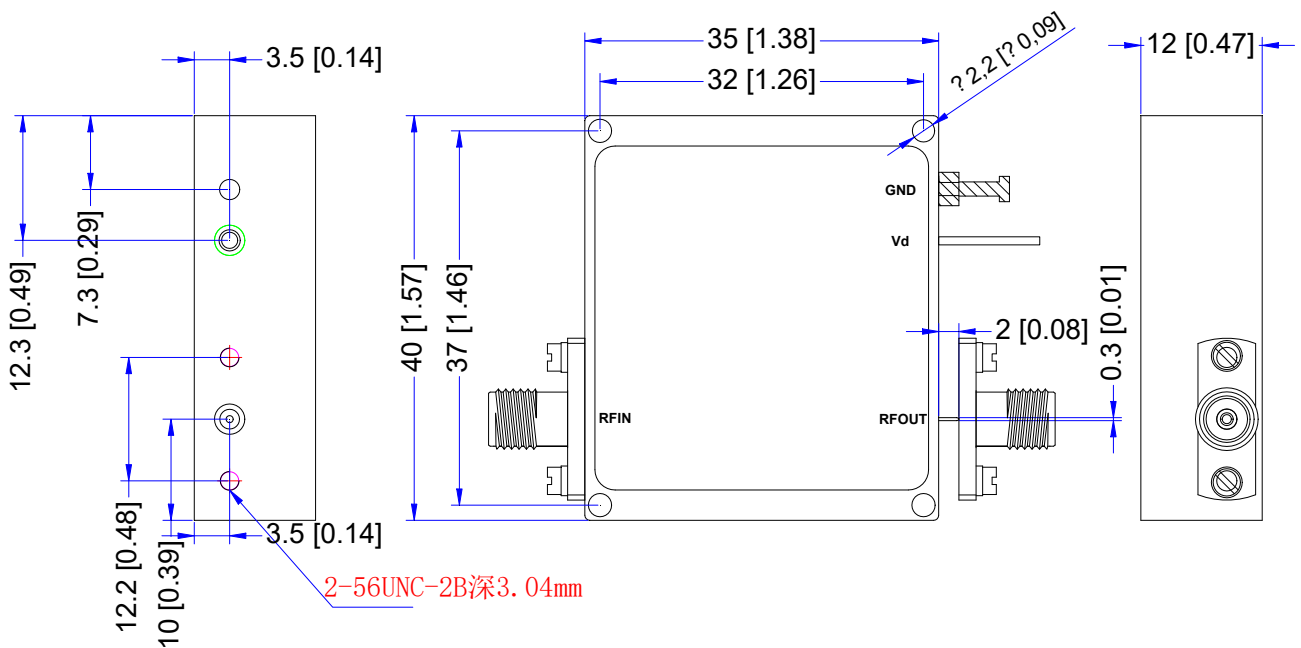
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■ Outline Drawing

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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