

1-18GHz Medium power Amplifier

P/N: PA0118GA0.3W



Description:

The amplifier is a Medium 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 25 dBm. The DC power requirement for the amplifier is +12 VDC/500 mA. 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		25		dB
Gain Flatness		±2.0	±3.0	dB
Input VSWR		1.5	2.0	-
Output VSWR		1.8	2.5	-
Output Power for (P1dB)		25		dBm
Saturated Output Power (Psat)		27		dBm
Spurious	60			dBc
Output IP3		32		dBm
Input Max Power(no damage)			+3	dBm
DC Current (Vcc=+12V)		500		mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		50g		
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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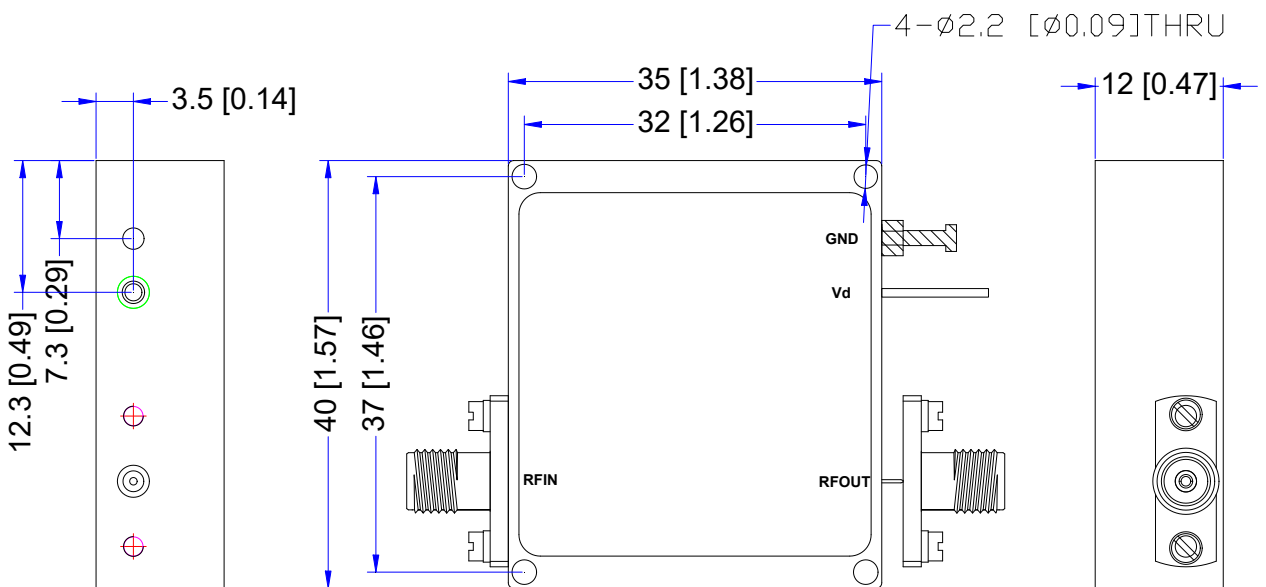
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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 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 THCHNOLOGIES CO.,LTD.

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