1.5-10GHz 0.3W Power Amplifier

P/N: PA015100GA0.3W

Description:

The power amplifier is a 0.3W power amplifier with a typical small signal gain of 30 dB across the frequency range of 1.5 to 10 GHz. The typical output power P-1 is 25dBm. The DC power requirement for the amplifier is +12 VDC/1 A. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1.5-10		GHz
Gain		30		dB
Gain Flatness		±2.5		dB
Input VSWR		2.5		-
Output VSWR		2.5		-
Output Power for (P1dB)	23	25		dBm
Output Power Psat		26		dBm
Noise Figure		2.0	2.5	dB
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+12V)(@Pout=0.3W)		1.0		A
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium/Gold Painting		
Weight		100g		
Package Sealing		Epoxy Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -25℃~+85℃

※ Storage Temperature -55℃~+125℃

RoHS COMPLIANT

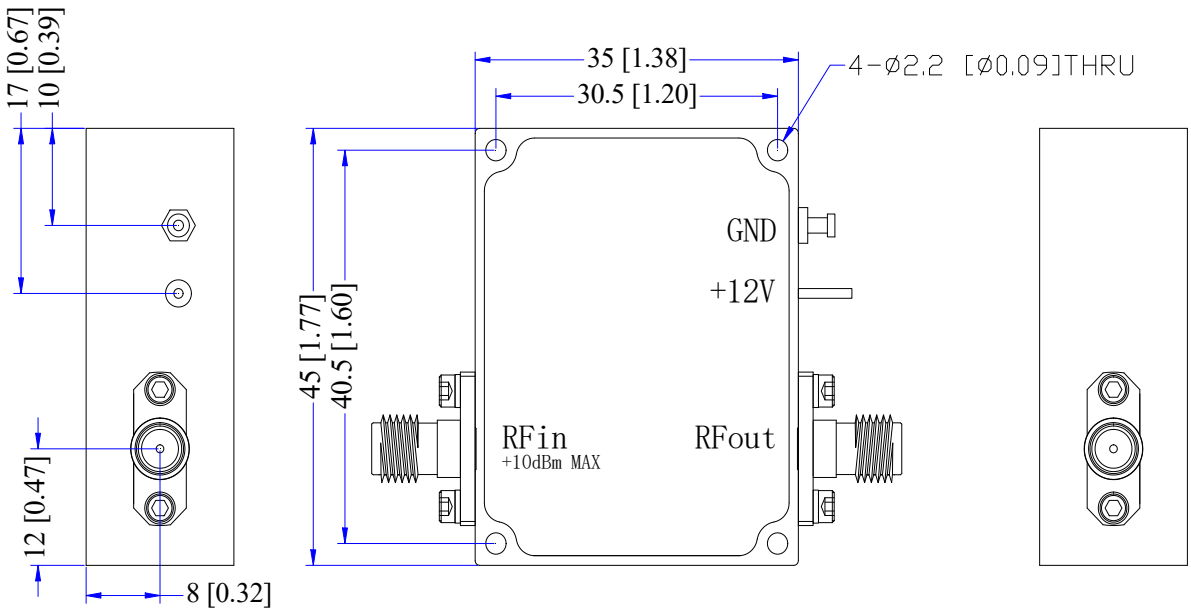
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

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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.