0.01-1.2GHz 0.8W Power Amplifier

P/N: PA000012GA0.8W

Description:

The power amplifier is a 0.8 W power amplifier with a typical Small Signal Gain of 26 dB across the frequency range of 0.01 to 1.2 GHz. The typical output power P-1 28 dBm. The DC power requirement for the amplifier is +24 VDC/0.75 A. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.01-1.2		GHz
Small Signal Gain	24	26	30	dB
Gain Flatness		±0.7	±1.2	dB
Noise figure		5.0		dB
Input VSWR		2.0	2.2	-
Output Power for (P1dB)	28	29		dBm
Output Power Psat	29	30		dBm
Output third order intercept point		45		dBm
Input Max Power(no damage)			10	dBm
Internally Generated Spurious	60			dBc
DC Current (Vcc=+24V)(@Pout=0.8W)			0.75	A
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium/Native conductive oxidation		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -25℃~+55℃

※ Storage Temperature -55℃~+85℃

RoHS COMPLIANT

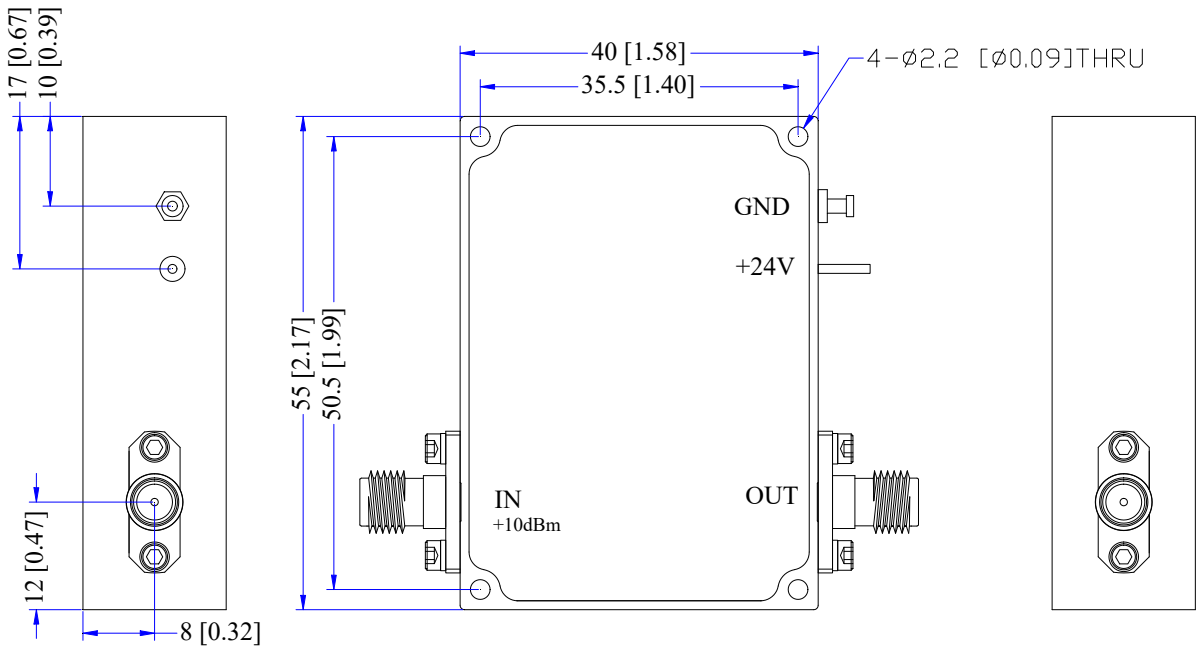
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

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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.