0.02-18GHz 1W Power Amplifier

P/N: PA00021800GA1W

Description:

The power amplifier is a 1W power amplifier with a typical small signal gain of 30 dB across the frequency range of 0.02 to 18 GHz. The typical output power P-1 30dBm. The DC power requirement for the amplifier is +18 VDC/1.5 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.02-18		GHz
Gain		35		dB
Gain Flatness@0.02-0.1GHz		±3		dB
Gain Flatness@0.1-18GHz			±2.5	dB
Input VSWR@0.02-1GHz			2.5	:1
Input VSWR@1-18GHz			2.2	:1
Output Power for P1dB@0.02-0.1GHz		27		dBm
Output Power for P1dB@0.1-18GHz		30		dBm
Output Power Psat		32		dBm
Spurious			-60	dBc
Input Max Power(no damage)			+10	dBm
DC Current (Vcc=+18V)(@Pout=1W)		1	1.5	A
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium/Gold Painting		
Weight		70g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -25℃~+55℃

※ Storage Temperature -55℃~+85℃

RoHS COMPLIANT

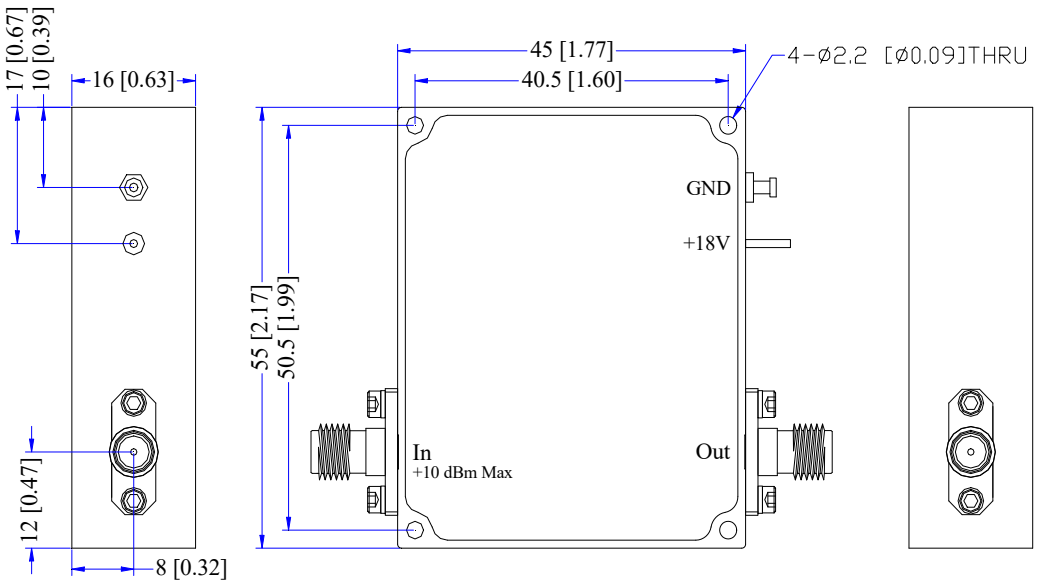
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

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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.