0.0001-1GHz 1W Power Amplifier

P/N: PA00001GA1W

Description:

The power amplifier is a 1W power amplifier with a typical small signal gain of 32.5 dB across the frequency range of 0.0001 to 1 GHz. The typical output power P-1 29dBm. The DC power requirement for the amplifier is +9~15 VDC/4 A. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.0001-1		GHz
Gain		32.5		dB
Gain Flatness			±2.5	dB
Input VSWR		1.8		-
Output VSWR		1.8		-
Output Power for (P1dB)	29			dBm
Output Power Psat		30		dBm
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
DC Voltage		+15		V
DC Current			0.5	A
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -45℃~+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.