

# 12-18GHz 2W Power Amplifier

P/N: MZPA1218GB2W



## Description:

The power amplifier is a 2W power amplifier with a typical small signal gain of 36 dB across the frequency range of 12 to 18 GHz. The typical output power P-1 31dBm. The DC power requirement for the amplifier is +12 VDC/2 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		12-18		GHz
Gain	33	36		dB
Gain Flatness			±1	dB
Input VSWR		1.8		-
Output VSWR		1.8		-
Output Power for (P1dB)	32	33		dBm
Input Max Power(no damage)			5	dBm
DC Current (Vcc=+12V)(@Pout=2W)		1.5	2	A
Impedance		50		Ω
Input/Output Connector		SMA-K/SMA-K		
Material		Aluminium\Gold Painting		
Weight		-		
Package Sealing		General Sealing (Standard)		

## Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



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