

# 8.5-10GHz Power Amplifier

P/N: MZMPA08510GA17



### Description:

The power amplifier is a 2W power amplifier with a typical small signal gain of 20 dB across the frequency range of 8.5 to 10 GHz. The typical output power P-1 21dBm. The DC power requirement for the amplifier is +12 VDC/0.2 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

### Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		8.5-10		GHz
Gain	17	20		dB
Gain Flatness		±0.5	±0.75	dB
Input VSWR		1.5	2.0	-
Output VSWR		1.5	2.0	-
Output Power for (P1dB)	20	21		dBm
Output Power Psat	21	22		dBm
Spurious		-60		dBc
Output IP3		28		dBm
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+12V)		0.2		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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## ■ Performance Plot

