

0.2-20GHz Medium power Amplifier

P/N: MPA00220GA0.5W



Description:

The Medium power amplifier is a power amplifier with a typical small signal gain of 35 dB across the frequency range of 0.2 to 20 GHz. The typical output power P-1 24dBm. The DC power requirement for the amplifier is +24 VDC/0.6 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.2-20		GHz
Gain		35		dB
Gain Flatness			±3.0	dB
Input VSWR		2.5		-
Output VSWR		2.5		-
Output Power for (P1dB)	24	26		dBm
Saturated Output Power (Psat)		27		dBm
Spurious		-60		dBc
Output IP3		32		dBm
Input Max Power(no damage)			+3	dBm
DC Current (Vcc=+24V)		600	625	mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		50g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



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