

1-18GHz Low Noise Amplifier

P/N: MZLNA0118GA40



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 43 dB and a typical noise figure of 2.5 dB across the frequency range of 1 to 18 GHz. The typical output power P-1 15dBm. The DC power requirement for the amplifier is +12 VDC/120 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1-18		GHz
Gain	40	43		dB
Gain Flatness		±1.5	±2.0	dB
Input VSWR		1.7	2.0	-
Output VSWR		1.7	2.0	-
Output Power for (P1dB)	14	15		dBm
Output Power Psat		16		dBm
Spurious		-60		dBc
Noise Figure		2.5	3.2	dB
Output IP3		25		dBm
Input Max Power(no damage)			-20	dBm
DC Current (Vcc=+12V)		120		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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