

# 6-20GHz Low Noise Amplifier

P/N: MZLNA0620GX30



## Description:

The amplifier is a low noise amplifier with a typical small signal gain of 33 dB and a typical noise figure of 3.5 dB across the frequency range of 6 to 20 GHz. The typical output power P-1 19dBm. The DC power requirement for the amplifier is +12 VDC/170 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		6-20		GHz
Gain		33		dB
Gain Flatness		±1.5		dB
Input VSWR		1.4	2.0	-
Output VSWR		1.6	2.0	-
Output Power for (P1dB)		19		dBm
Output Power Psat		20		dBm
Spurious		-60		dBc
Noise Figure		3.5		dB
Output IP3		24		dBm
Input Max Power(no damage)	20			dBm
DC Current (Vcc=+12V)		170		mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium/Gold Painting		
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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