

6-18GHz Low Noise Amplifier

P/N: MZLNA0618GB35



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 35 dB and a typical noise figure of 1.8 dB across the frequency range of 6 to 18 GHz. The typical output power P-1 25dBm. The DC power requirement for the amplifier is +12 VDC/350 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		6-18		GHz
Gain	33	35		dB
Gain Flatness		±1.0		dB
Input VSWR		1.4	2.0	-
Output VSWR		1.6	2.0	-
Output Power for (P1dB)	24	25		dBm
Saturated Output Power (Psat)		26		dBm
Noise Figure		1.8		dB
Output IP3		33		dBc
Input Max Power(no damage)			-5	dBm
DC Current (Vcc=+12V)		350		mA
Impedance		50		Ω
Input/Output Connector		SMA-K/SMA-K		
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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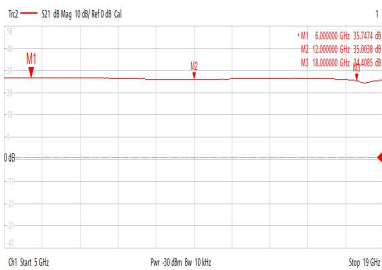
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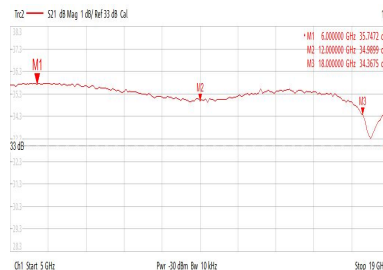


Performance Plot

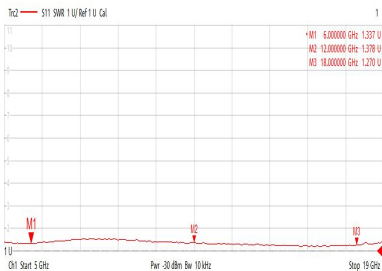
Gain



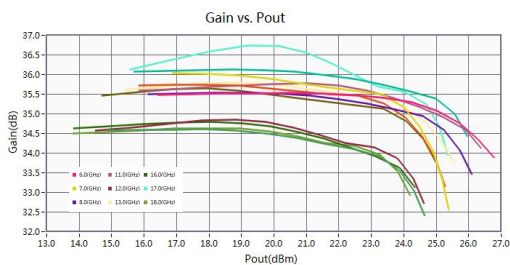
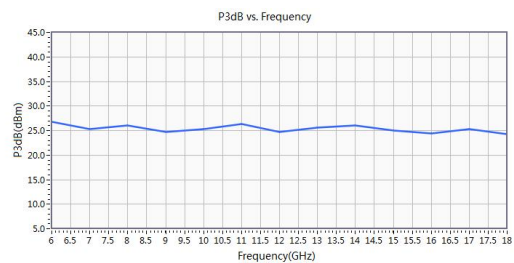
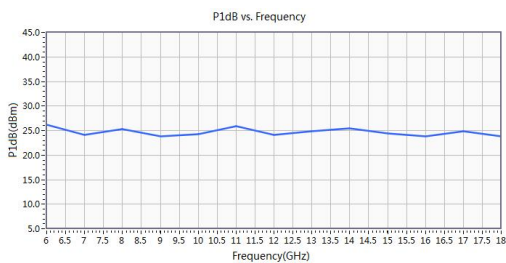
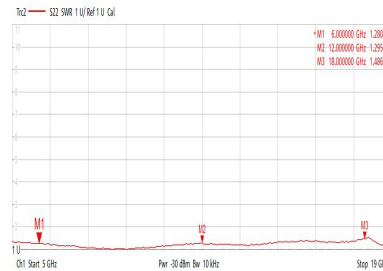
Gain Flatness



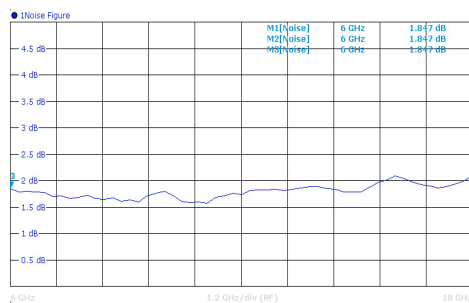
Input VSWR



Output VSWR



Noise Figure



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