

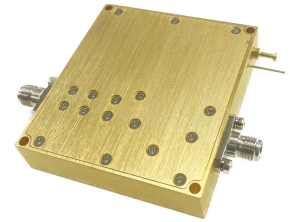
0.2-10GHz Low Noise Amplifier

P/N: LNA002100GA45



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 45 dB and a typical noise figure of 4.0 dB across the frequency range of 0.2 to 10 GHz. The typical output power P-1 23dBm. The DC power requirement for the amplifier is +12~+15VDC/700 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.2-10		GHz
Gain	45	48		dB
Gain Flatness			±2.0	dB
Input VSWR		1.5	2.2	-
Output VSWR		1.8	2.2	-
Output Power for (P1dB)	23	24		dBm
Saturated Output Power (Psat)		24		dBm
Spurious		-60		dBc
Noise Figure		4.5	5	dB
Output IP3		32		dBm
Input Max Power(no damage)			+3	dBm
DC Current (Vcc=+12~15V)		700		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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