

18-40GHz Low Noise Amplifier

P/N: MZLNA1840GB30



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 31 dB and a typical noise figure of 3.0 dB across the frequency range of 18 to 40 GHz. The typical output power P-1 8dBm. The DC power requirement for the amplifier is +6~16 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		18-40		GHz
Gain	30	31		dB
Gain Flatness		±2.0		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for (P1dB)	6	8		dBm
Output Power Psat		8		dBm
Noise Figure		3.0	5	dB
Output IP3		15		dBm
Input Max Power(no damage)			-15	dBm
DC Current (Vcc=+6~16V)		120		mA
Impedance		50		Ω
Input/Output Connector		2.92mm-Female/2.92mm-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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Performance Plot

