

1.4-2.4GHz Low Noise Amplifier

P/N: LNA014024GA20



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 24 dB and a typical noise figure of 0.65 dB across the frequency range of 1.4 to 2.4 GHz. The typical output power P-1 8 dBm. The DC power requirement for the amplifier is +15 VDC/100 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

| Parameter | Min. | Typ. | Max. | Units |
|----------------------------|----------------------------|---------|------|-------|
| Frequency Range | | 1.4-2.4 | | GHz |
| Gain | 20 | 24 | | dB |
| Gain Flatness | | ±1 | | dB |
| Input VSWR | | 1.4 | 2.0 | :1 |
| Output VSWR | | 1.4 | 1.6 | :1 |
| Output Power for (P1dB) | 8 | 10 | | dBm |
| Noise Figure | | 0.5 | 0.65 | dB |
| Output IP3 | | 18 | | dBm |
| Input Max Power(no damage) | | | 0 | dBm |
| DC Current (Vcc=+15V) | | 100 | | 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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