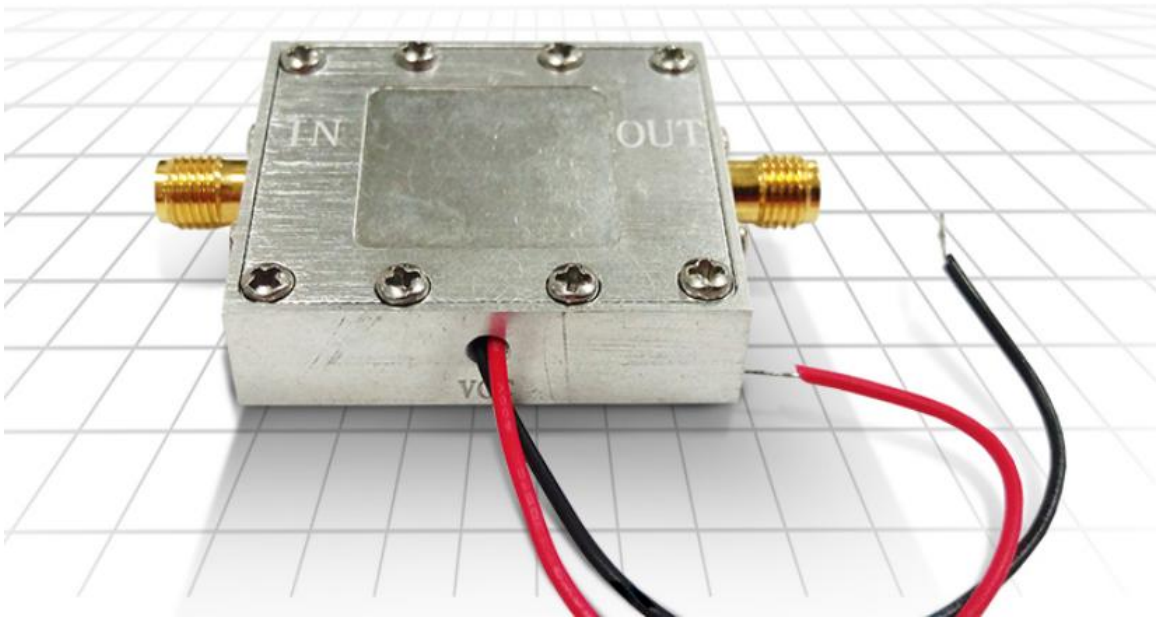


低噪声

勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>

射频信号放大器 0.05-4GHz



宝贝参数

THE OPTIMUM TECHNOLOGY MATCHING APPLIED
LIST OF THE MOST USED TECHNOLOGIES PROVIDED BY A COMPANION
WITH THE MOST ADVANCED TECHNOLOGIES FOR THE MOST USE

▶ 宝贝名称：低噪声射频放大器0.05~4GHz

▶ 宝贝供电：5V

▶ 宝贝尺寸：37mm X 33mm

▶ 宝贝电流：46mA

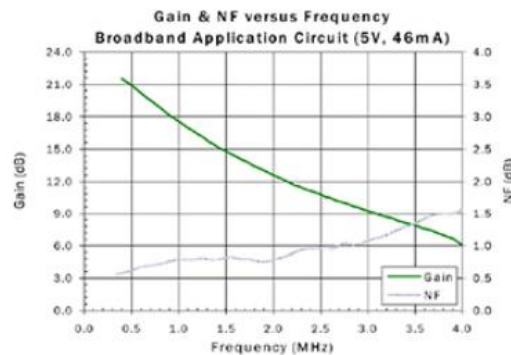
▶ NF：0.8dB

Product Description

The SPF-5043Z is a high performance pHEMT MMIC LNA designed for operation from 50MHz to 4000MHz. The on-chip active bias network provides stable current over temperature and process threshold voltage variations. The SPF-5043Z offers ultra-low noise figure and high linearity performance in a gain block configuration. Its single-supply operation and integrated matching networks make implementation remarkably simple. A high maximum input power specification make it ideal for high dynamic range receivers.

Optimum Technology Matching® Applied

- GaAs HBT
- GaAs MESFET
- InGaP HBT
- SiGe BiCMOS
- Si BiCMOS
- SiGe HBT
- GaAs pHEMT
- Si CMOS
- Si BJT
- GaN HEMT
- RF MEMS



Features

- Ultra-Low Noise
Figure=0.8dB @ 900MHz
- Gain=18.2dB @ 900MHz
- High Linearity: OIP3=35dBm @ 1900MHz
- P_{1dB}=21dBm @ 1900MHz
- Single-Supply Operation:
5V @ I_{DQ}=46mA
- Flexible Biasing Options: 3V to 5V, Adjustable Current
- Broadband Internal Matching

Applications

- Cellular, PCS, W-CDMA, ISM, WiMAX Receivers
- Low Noise, High Linearity Gain Block Applications

实测数据

优秀品质

低噪声放大器 0.05 ---4GHz NF:0.8dB LNA 射频放大器测试数据:

Fre (MHz)	50	100	500	800	1000	1500	2000	2400	2800	3000
Gain(dB)	20.34	20.01	21.73	19.99	19.00	17.44	13.24	13.11	12.37	11.08

功能说明

优秀品质

