


## RF Amp Single LNA 3.8GHz 5.5V 8-Pin DFN EP T/R

<b>Manufacturer:</b>	<a href="#">Skyworks Solutions, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The SKY67151-396LF is high performance GaAs, pHEMT Low-Noise Amplifier (LNA) with integrated active bias and very low noise figure (<0.5 dB) over a 2 GHz BW. The advanced 0.25um GaAs pHEMT enhancement mode process provides broadband return loss, high gain, very low noise, and high amplifier linearity. The internal active bias circuitry provides stable performance over temperature and process variation. The device offers the user the ability to externally adjust supply current to optimize linearity and provides best in class noise figure. Supply voltage is applied to the RFOUT/VDD pin and RFIN pin through an RF choke inductor. Also the VBIAS pin is connected to VDD supply through an external resistor to control the supply current. The RFIN and RFOUT/VDD pins should be DC blocked to ensure proper operation.

The SKY67151-396LF operates over the broad frequency range of 0.7 to 3.8 GHz. Four band-specific external tuning networks with common PCB layouts are available to cover the full 3000 MHz bandwidth for this device. This device is ideally suited for both Macro & Micro Cellular Basestations, Repeaters, Remote Radio Heads, Tower Mounted Amplifiers, L & S Band Military Communication, GPS receivers and Proprietary Radio Networks.

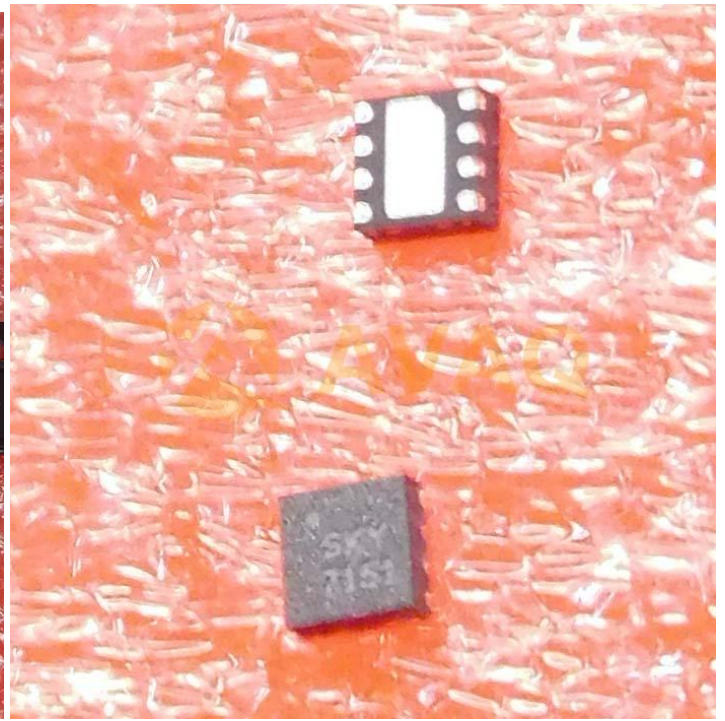
The LNA is manufactured in a compact, 2 x 2 mm, 8-pin Dual Flat No-Lead (DFN) Skyworks Green package and four band specific evaluation boards are available for customer testing.

### Key Features

- Ultra-low Evaluation Board NF:
- High OIP3 performance: >+35 dBm over 700 to 2700 MHz
- Adjustable supply current from 30 to 100 mA
- Flexible bias voltage: 3 to 5 V
- Temperature and process-stable active bias
- Miniature DFN (8-pin, 2 x 2 mm) package (MSL1 @ 260 °C per JEDEC J-STD-020)

### Application

Macro/Massive MIMO



## Recommended For You

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### **SKY85712-21**

Skyworks Solutions, Inc

QFN

### **SKY13373-460LF**

Skyworks Solutions, Inc

QFN

### **SKY65404-31**

Skyworks Solutions, Inc

QFN

### **SKY65723-81**

Skyworks Solutions, Inc

DFN-6

### **SKY13320-374LF**

Skyworks Solutions, Inc

QFN

### **SKY13415-485LF**

Skyworks Solutions, Inc

QFN14

### **SKY13585-679LF**

Skyworks Solutions, Inc

QFN

### **SKY85712-11**

Skyworks Solutions, Inc

QFN

### **SKY13416-485LF**

Skyworks Solutions, Inc

QFN

### **SKY13431-374LF**

Skyworks Solutions, Inc

DFN6

### **SKY13372-467LF**

Skyworks Solutions, Inc

QFN

### **SKY67150-396LF**

Skyworks Solutions, Inc

DFN6

### **SKY13414-485LF**

Skyworks Solutions, Inc

QFN

### **SKY65405-21**

Skyworks Solutions, Inc

QFN

### **SKY13446-374LF**

Skyworks Solutions, Inc

DFN