


RF Amp Single LNA 2.2GHz 5.5V 8-Pin DFN EP T/R

Manufacturer:	Skyworks Solutions, Inc
Package/Case:	DFN6
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

SKY67150-396LF Image

Images are for reference only

[Inquiry](#)

General Description

The SKY67150-396LF is GaAs, pHEMT Low-Noise Amplifier (LNA) with an active bias, high linearity, superior gain, and industry-leading Noise Figure (NF) performance. The device features Skyworks advanced, pHEMT enhancement mode process in a compact 2 x 2 mm, 8-pin Dual Flat No-Lead (DFN) package.

The internal active bias circuitry provides stable performance over temperature and process variation. The device offers the ability to externally adjust supply current. Supply voltage is applied to the RFOUT/VDD pin through an RF choke inductor. The RFIN and RFOUT/VDD pins should be DC blocked to ensure proper operation.

The SKY67150-396LF operates in the frequency range of 300 to 2200 MHz using a common layout and band-specific tunes. Operation with high gain and a low NF at frequencies as low as 100 MHz is possible with degraded input return loss.

Key Features

Ultra-low Evaluation Board NF of 0.23 dB @ 849 MHz

High OIP3 performance: +39 dBm

Adjustable supply current from 20 to 100 mA

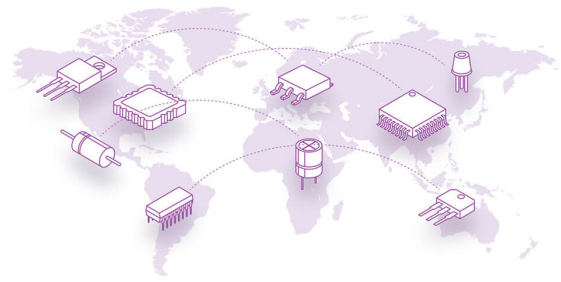
Flexible bias voltage: 3 to 5 V

Temperature and process-stable active bias

Miniature DFN (8-pin, 2 x 2 mm) package (MSL1 @ 260°C per JEDEC J-STD-020)

Application

Small Cells



Recommended For You

SKY85712-21

Skyworks Solutions, Inc

QFN

SKY13373-460LF

Skyworks Solutions, Inc

QFN

SKY65404-31

Skyworks Solutions, Inc

QFN

SKY67151-396LF

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

SKY13414-485LF

Skyworks Solutions, Inc

QFN

SKY65405-21

Skyworks Solutions, Inc

QFN

SKY13446-374LF

Skyworks Solutions, Inc

DFN