

RF Switch SP4T 100MHz to 3.8GHz 20dB 14-Pin QFN EP T/R

Manufacturer:	Skyworks Solutions, Inc	SKY13414-485LF Image
Package/Case:	QFN	Images are for reference only
Product Type:	Switches	Inquiry
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The SKY13414-485LF is a Single Pole, Four-Throw (SP4T) antenna switch. With an internal 50 Ω termination. The high linearity performance and low insertion loss achieved by the SKY13414-485LF make it an ideal choice for main/diversity switching commonly used in LTE-based handsets, data cards, and tablets that use antenna diversity solutions.

The SKY13414-485LF is part of a scalable family of products that covers SP4T through SP8T switches that allow up to eight bands of WCDMA/LTE. The symmetric port designs provide flexibility in signal routing for both receive diversity and higher power TD-SCDMA/TDD-LTE, WCDMA/FDD, and LTE transmit/receive applications.

Switching is controlled by three CMOS/TTL-compatible control voltage inputs (V1, V2, and V3). Depending on the logic voltage level applied to the control pins, the ANT pin is connected to one of four switched RF outputs (RF1 to RF4) using a low insertion loss path, while the paths between the ANT pin and the other RF pins are in a high isolation state. The antenna path can also be closed on a 50 Ω load when it needs to be terminated. The 50 Ω load is internally grounded. No external blocking capacitors are required on the RF paths.

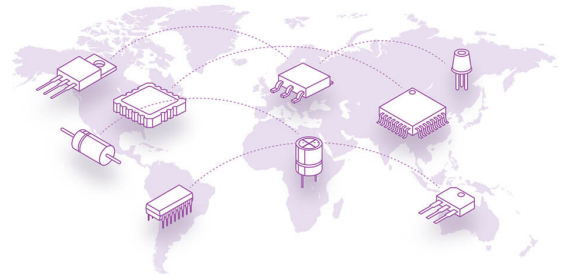
The SKY13414-485LF is manufactured in a compact, 14-pin 2.0 x 2.0 mm, Quad Flat No-Lead (QFN) package.

Key Features

- Broadband frequency range: 0.1 to 6.0 GHz
- Low insertion loss: 0.45 dB typical @ 2.7 GHz
- High isolation: >31 dB @ 2.7 GHz
- Internal 50 Ω port to control diversity antenna impedance when device is not in use
- Integrated logic
- Small QFN (14-pin, 2.0 x 2.0 mm) package (MSL1, 260 °C per JEDEC J-STD-020)

Application

- Tablets
- 4G LTE



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

SKY67150-396LF

Skyworks Solutions, Inc

DFN6

SKY65405-21

Skyworks Solutions, Inc

QFN

SKY13446-374LF

Skyworks Solutions, Inc

DFN