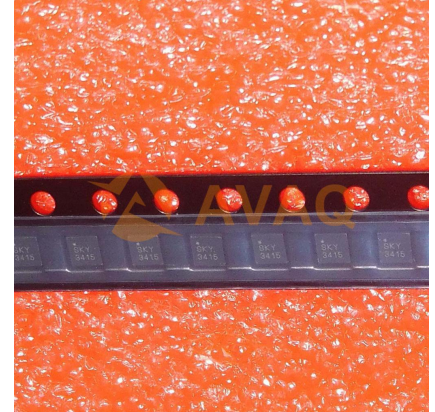


## RF Switch SP5T 100MHz to 3.8GHz 20dB 14-Pin QFN EP T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Skyworks Solutions, Inc](#)

**Package/Case:** QFN14

**Product Type:** Switches

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The SKY13415-485LF is a Single Pole, Five-Throw (SP5T) antenna switch. With an internal 50  $\Omega$  termination. The high linearity performance and low insertion loss achieved by the SKY13415-485LF 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 SKY13415-485LF 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 five switched RF outputs (RF1 to RF5) 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  $\Omega$  load when it needs to be terminated. The 50  $\Omega$  load is internally grounded. No external blocking capacitors are required on the RF paths.

The SKY13415-485LF 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 3.8 GHz

Low insertion loss: 0.45 dB typical @ 2.7 GHz

High isolation: >30 dB @ 2.7 GHz

Internal 50  $\Omega$  port to control diversity antenna impedance when device is not in use

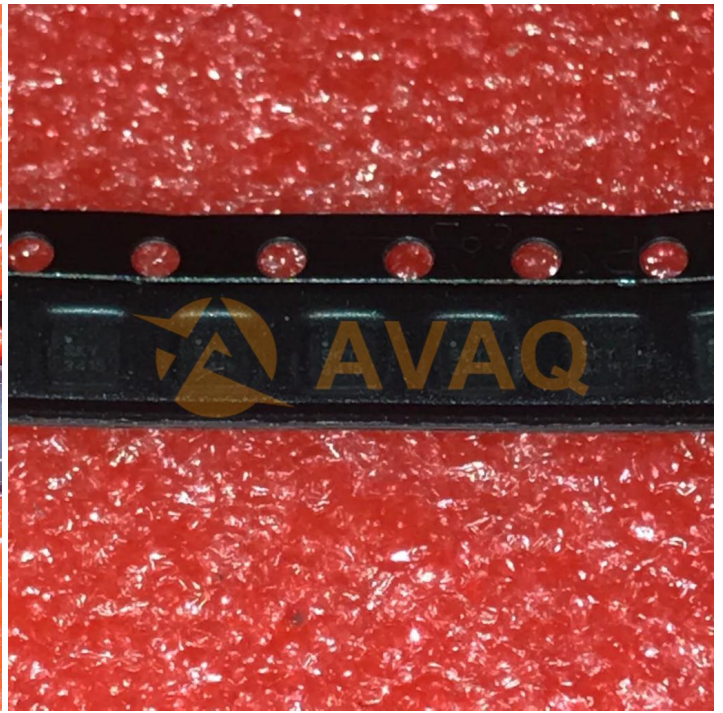
Integrated logic

Small QFN (14-pin, 2.0 x 2.0 mm) package (MSL1, 260  $^{\circ}$ C per JEDEC J-STD-020)

### Application

Tablets

4G LTE



## 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

### **SKY67151-396LF**

Skyworks Solutions, Inc

QFN

### **SKY65723-81**

Skyworks Solutions, Inc

DFN-6

### **SKY13320-374LF**

Skyworks Solutions, Inc

QFN

### **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