

## PRODUCT SUMMARY

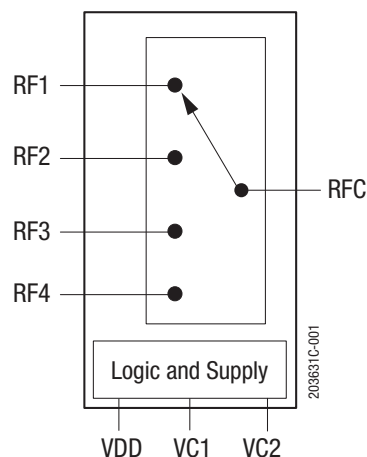
# SKY13626-685LF: 0.4 to 3.8 GHz SP4T Switch

## Applications

- Cellular systems
- 3G/4G LTE systems
- Pre- and post-PA switching

## Features

- Broadband frequency range: 0.4 to 3.8 GHz
- Low insertion loss
- High isolation
- Integrated GPIO interface
- No DC blocking capacitors required
- Lead (Pb)-free and RoHS-compliant
- Small-size QFN (9-pin, 1.1 × 1.1 × 0.5 mm) package (MSL1, 260 °C per JEDEC J-STD-020)



**Figure 1. SKY13626-685LF Block Diagram**

## Description

The SKY13626-685LF is a single-pole, four-throw (SP4T) switch. No external DC blocking capacitors are required on the RF paths as long as there is no DC voltage on the RF line. The switch can operate over the temperature range of  $-40\text{ }^{\circ}\text{C}$  to  $+90\text{ }^{\circ}\text{C}$ .

Switching is controlled by two CMOS/TTL compatible control voltage inputs (VC1 and VC2). Depending on the logic voltage level applied to the control pin, the RFC pin is connected to one of four switched RF outputs (RF1, RF2, RF3, or RF4) by using a low insertion loss path, while the path between the RFC pin and the other RF pins is in isolation.

The SKY13626-685LF is provided in a small-size, 9-pin, 1.1 × 1.1 × 0.5 mm QFN package.

A functional block diagram is shown in Figure 1.

## Ordering Information

Model Name	Manufacturing Part Number	Evaluation Board Part Number
SKY13626-685LF: SP4T Switch	SKY13626-685LF	SKY13626-685LF-EVB