

**PRODUCT SUMMARY**

# SKY13630-11: 0.7 to 3.8 GHz DPDT Switch Module

## Applications

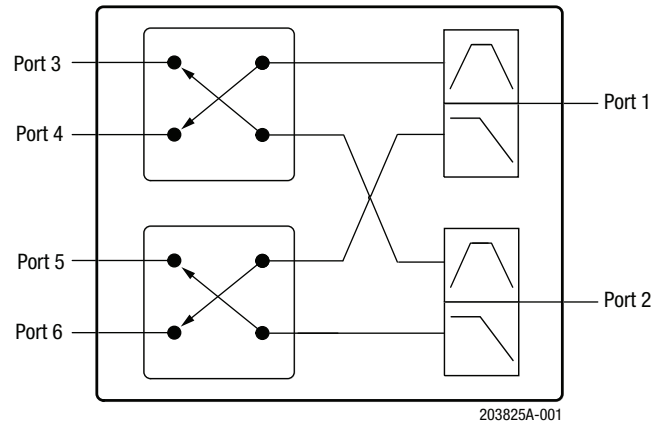
- Antenna swapping
- Simultaneous voice and LTE systems

## Features

- Broadband frequency range: 0.7 to 3.8 GHz
- High linearity for CA downlink
- Low insertion loss at LTE high band
- Integrated MIPI RFFE interface with USID configure pin
- Small MCM (28-pin, 2.4 x 4.0 x 0.9 mm maximum) package (MSL3, 260 °C per JEDEC J-STD-020)



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**Figure 1. SKY13630-11 Functional Block Diagram**

## Description

The SKY13630-11 is a double-pole, double-throw (DPDT) diplexer antenna switch module with integrated 5 GHz WIFI rejection filter. The switch provides very high linearity for DL carrier aggregation, and very low insertion loss at high band. Switching is controlled by an integrated Mobile Industry Processor Interface (MIPI) controller.

No external DC blocking capacitors are required as long as no DC voltage is applied on any RF path. The SKY13630-11 is provided in a compact 28-pin, 2.4 x 4.0 x 0.9 mm maximum MCM that meets requirements for board-level assembly.

A functional block diagram is shown in Figure 1.

## Ordering Information

Model Name	Manufacturing Part Number	Evaluation Board Part Number
SKY13630-11: 0.7 to 3.8 GHz DPDT Switch	SKY13630-11	SKY13630-11-EVB

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