

**PRODUCT SUMMARY**

# SKY19249-686LF: 0.1 to 3.8 GHz SP4T MIPI® Antenna Tuning Switch

**Applications**

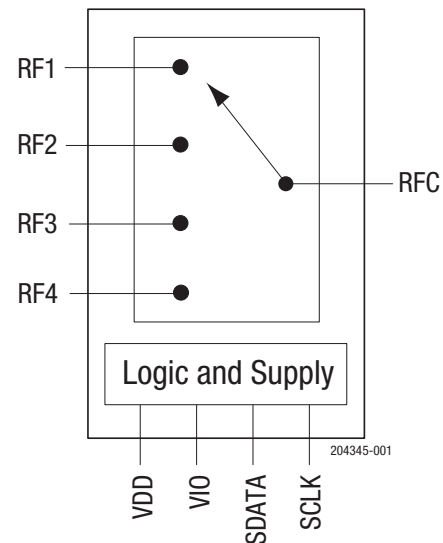
- Aperture tuning
- Impedance tuning

**Features**

- Broadband frequency range: 0.1 to 3.8 GHz
- Vpeak: 40 V
- Ron: 0.9 Ω
- Coff: 110 fF
- Control logic: MIPI v2.0
- Small QFN (10-pin, 1.5 × 1.1 × 0.45 mm [typical]) package (MSL1, 260 °C per JEDEC J-STD-020)



Skyworks Green™ products are compliant with all applicable legislation and are halogen-free. For additional information, refer to *Skyworks Definition of Green™*, document number SQ04-0074.



**Figure 1. SKY19249-686LF Block Diagram**

**Description**

The SKY19249-686LF is a Quad Flat No-Lead (QFN) single-pole, four-throw (SP4T) switch designed for antenna tuning applications that require ultra-low ON resistance and low OFF capacitance. 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 SKY19249-686LF is provided in a compact 10-pin, 1.5 × 1.1 × 0.45 mm (typical) QFN that meets requirements for board-level assembly.

A functional block diagram is shown in Figure 1.

## Ordering Information

Part Number	Product Description	Evaluation Board Part Number
SKY19249-686LF	0.1 to 3.8 GHz SP4T MIPI Antenna Tuning Switch	SKY19249-686EK1

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