

PRODUCT SUMMARY

SKY19247-686LF: 0.8 to 2.7 GHz SP3T MIPI® Antenna Tuning Switch

Applications

- Aperture tuning
- Impedance tuning

Features

- Broadband frequency range: 0.1 to 2.7 GHz
- Vpeak: 37 V
- RON: 0.8 Ω
- COFF: 220 fF
- Asymmetric RF1 path with ultra-low RON: 0.4 Ω
- 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.

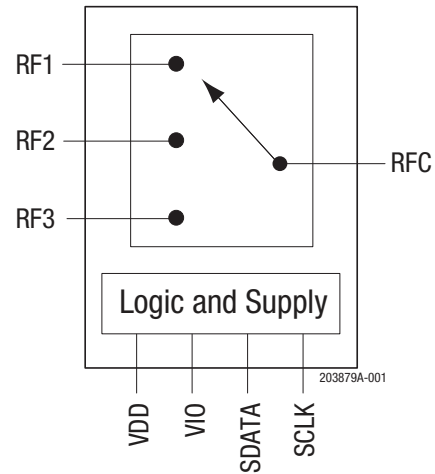


Figure 1. SKY19247-686LF Block Diagram

Description

The SKY19247-686LF is a Quad Flat No-Lead (QFN) single-pole, triple-throw (SP3T) switch designed for antenna tuning applications that require very low RON and COFF. 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 SKY19247-686LF 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 |
|----------------|--|------------------------------|
| SKY19247-686LF | 0.8 to 2.7 GHz SP3T MIPI Antenna Tuning Switch | SKY19247-686LF-EVB |

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