

PRODUCT SUMMARY

SKY19243-686LF: 0.1 to 3.8 GHz SPDT High-Power Antenna Tuning Switch in a QFN Package

Applications

- Antenna tuning
- Impedance tuning
- Band switching

Features

- Broadband frequency range: 0.1 to 3.8 GHz
- Low ON-state resistance and OFF-state capacitance
- High-power and peak-voltage handling (+40 dBm/42 V typical)
- No external DC blocking capacitors required
- Small QFN (10-pin, 1.5 × 1.1 × 0.5 mm maximum) 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.

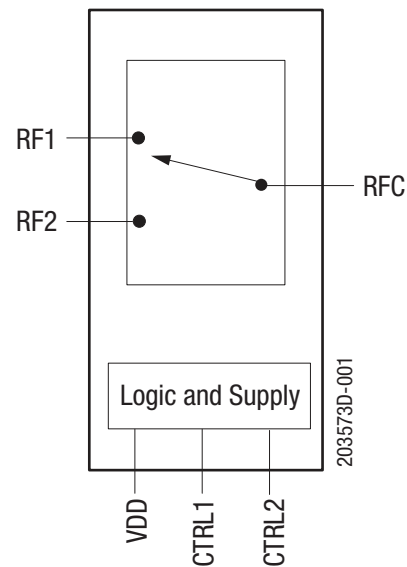


Figure 1. SKY19243-686LF Block Diagram

Description

The SKY19243-686LF is a Quad Flat No-Lead (QFN) single-pole, double-throw (SPDT) switch designed for antenna tuning applications that require very low RON and COFF. Switching is controlled by an integrated GPIO interface with two control pins. Depending on the logic voltage level applied to the control pins, the antenna port can be either connected to one of the two switched RF outputs or to both switch outputs simultaneously.

No external DC blocking capacitors are required as long as no DC voltage is applied on any RF path.

The SKY19243-686LF is provided in a compact 10-pin, 1.5 × 1.1 × 0.5 mm maximum QFN 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
SKY19243-686LF: SPDT Switch	SKY19243-686LF	SKY19243-686LF-EVB

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