PRODUCT SUMMARY

SKY19243-686LF: 0.1 to 3.8 GHz SPDT (SP2T) GPIO Antenna Tuning Switch

Applications
- Aperture tuning
- Impedance tuning

Features
- Broadband frequency range: 0.1 to 3.8 GHz
- Vpeak: 42 V
- RON: 0.8 Ω
- COFF: 195 fF
- Control logic: GPIO
- 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.

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Evaluation Board Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKY19243-686LF</td>
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<td>SKY19243-686LF-EVB</td>
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</tbody>
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