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.

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Evaluation Board Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKY19249-686LF</td>
<td>0.1 to 3.8 GHz SP4T MIPI Antenna Tuning Switch</td>
<td>SKY19249-686EK1</td>
</tr>
</tbody>
</table>

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