PRODUCT SUMMARY

SKY19237-001: 0.7 to 2.7 GHz Triple SPST (3xSPST) Shunt MIPI® Antenna Tuning Switch

Applications
- Aperture tuning

Features
- Broadband frequency range: 0.7 to 2.7 GHz
- Vpeak: 83 V
- RON: 2.1 Ω
- COFF: 190 fF
- Three USIDs with single pin
- Supply voltage: 2.5 to 4.8 V
- Control logic: MIPI
- Ultra-small WLCSP (11-bump, 1.66 × 1.75 × 0.5 mm [maximum], 262 μm diameter, 400 μm pitch) 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 SKY19237-001 is a wafer level chip scale package (WLCSP) triple-shunt, single-pole, single-throw (3xSPST) switch with integrated logic and bias block. The three paths are connected on one side to a single RF ground bump.

The part is designed to sustain a peak voltage of 83 V typical without going to breakdown.

The switching is controlled by an integrated Mobile Industry Processor Interface (MIPI) decoder.

The SKY19237-001 is provided in a compact 11-bump, 1.66 × 1.75 × 0.5 mm (typical) WLCSP that meets requirements for board-level assembly. Bump diameters are 262 μm, with a minimum bump pitch of 400 μm.

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>SKY19237-001</td>
<td>0.7 to 2.7 GHz Triple SPST (3xSPST) Shunt MIPI Antenna Tuning Switch</td>
<td>SKY19237-001-EVB</td>
</tr>
</tbody>
</table>

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