

PRODUCT SUMMARY

SKY19260-11: 0.6 to 6.0 GHz SP4T MIPI® Antenna Tuning Switch

Applications

- Aperture tuning for 2G/3G/4G/5G antennas
- Band switching for 2G/3G, 4G LTE, and 5G NR handsets

Features

- Broadband frequency range: 0.6 to 6.0 GHz
- V_{peak} : 64 V
- IP2/IP3: 138 dBm/83 dBm
- R_{ON} : 1.8 Ω
- C_{OFF} : 118 fF
- Output shunt switches reduce unwanted resonances
- Control logic: MIPI v2.0
- Ultra-small MCM (1.6 x 1.6 x 0.55 mm) package (MSL3, 260 °C per JEDEC J-STD-020)

DISCONTINUED

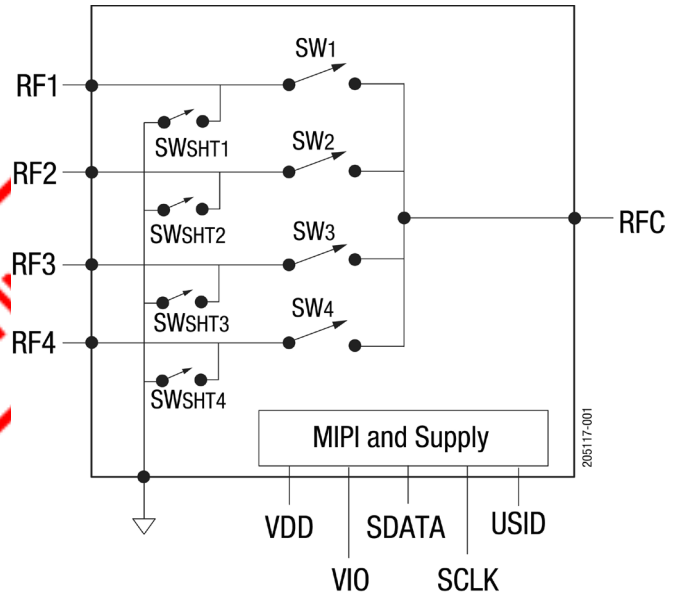


Figure 1. SKY19260-11 Block Diagram



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 SKY19260-11 is a single-pole, four-throw (SP4T) switch designed for antenna tuning applications that require very low R_{ON} , C_{OFF} , and high V_{PK} . The device incorporates shunts on switch outputs to improve isolation between arms. The series switches and shunt switches can be controlled to turn on or off individually based on register settings. The switch can be used for either series or shunt tuning applications. The switch can also be used for band switching. It is an ideal choice for 5G NR sub-6 GHz SRS switching applications with excellent insertion losses. Depending on the register setting, the antenna port can be connected to one of the four switched RF outputs or to multiple predefined outputs simultaneously, while the other RF ports are in isolation state to the antenna port. The part is designed to sustain a peak voltage up to 64 V typical without going to breakdown.

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

The SKY19260-11 is provided in a compact 12-pin, 1.6 x 1.6 x 0.55 mm maximum MCM package 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
SKY19260-11	0.6 to 6.0 GHz SP4T MIPI Antenna Tuning Switch	SKY19260-11EK1



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