

PRODUCT SUMMARY

SKY5®-5501-11: 5 GHz LNA with LAA Support Front-End Module

Applications

- Wi-Fi-enabled handsets, tablets, and mobile/portable systems
- 5 GHz LNA with LAA support smartphones and tablets

Features

- Integrated low loss 5 GHz Tx pass, LNA with bypass, and SPDT switch
- Fully matched input and output
- Receive gain: 12.5 dB
- Receive bypass loss: 8.5 dB
- Nominal supply voltage: 3.7 V
- Small MCM (20-pin, 1.7 × 2.1 × 0.7 mm) package (MSL3, 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.

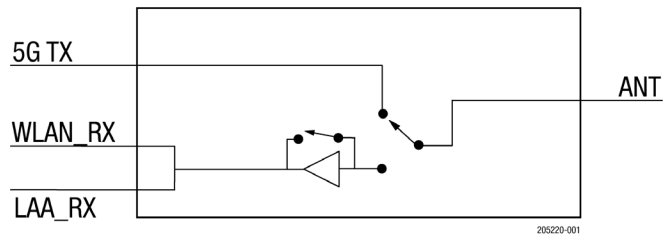


Figure 1. SKY55501-11 Block Diagram

Description

The SKY55501-11 is a highly integrated, 5 GHz front-end module (FEM) that supports simultaneous 5G WLAN and licensed assisted access (LAA) systems.

The SKY55501-11 incorporates a 5 GHz low-noise amplifier (LNA) with bypass supporting 5G WLAN and LAA simultaneous RX reception, and a single-pole, double-throw (SPDT) transmit/receive (T/R) switch.

The device is provided in a compact, 20-pin 1.7 x 2.1 mm package. A functional block diagram is shown in Figure 1.

Ordering Information

Part Number	Product Description	Evaluation Board Part Number
SKY55501-11	5 GHz LNA with LAA Support Front-End Module	SKY55501-11EK1

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