

PRODUCT SUMMARY

SKY85774-11: 5 GHz, 802.11ac with LAA Support Front-End Module

Applications

- Wi-Fi-enabled handsets, tablets, and mobile/portable systems
- System-in-Package (SIP) modules for embedded systems
- 802.11ac with LAA support smartphones and tablets

Features

- Integrated high-performance 5 GHz PA, harmonic filter, LNA with bypass, and SPDT switch
- Fully matched input and output
- Transmit gain: 31 dB
- Receive gain: 12.5 dB
- Receive bypass loss: 8.5 dB
- Output power: +19 dBm, MCS7, HT20
- Output power: +17.5 dBm, MCS9, HT80
- Nominal supply voltage: 3.7 V
- Small MCM (20-pin, 2.2 × 3 × 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.

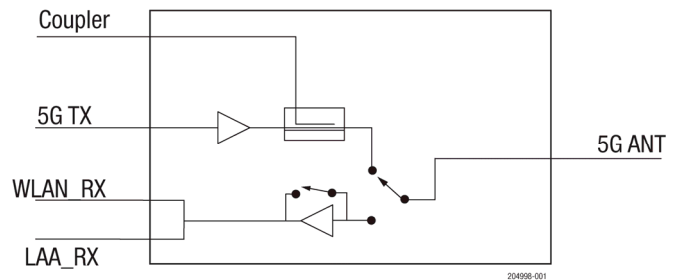


Figure 1. SKY85774-11 Block Diagram

Description

The SKY85774-11 is a highly integrated, 5 GHz front-end module (FEM) that supports simultaneous 5 GHz WLAN and licensed assisted access (LAA) systems.

The SKY85774-11 incorporates a 5 GHz power amplifier (PA), a 5 GHz low-noise amplifier (LNA) with bypass supporting 5 GHz 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 2.2 x 3 mm package. A functional block diagram is shown in Figure 1.

Ordering Information

| Part Number | Product Description | Evaluation Board Part Number |
|-------------|---|------------------------------|
| SKY85774-11 | 5 GHz, 802.11ac with LAA Support Front-End Module | SKY85774-11EK1 |

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