

**PRODUCT SUMMARY**

# SKY85508-11: Non-Linear 5 GHz Front-End Module for Wi-Fi® 7 Applications

## Applications

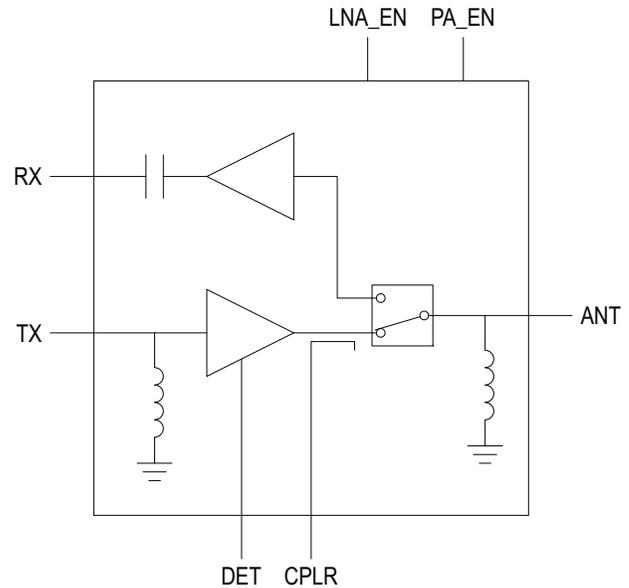
- Indoor and outdoor access points
- Home gateways
- Customer Premise Equipment (CPE)
- Mesh/whole-home Wi-Fi® systems
- Wi-Fi-based home entertainment systems
- WLAN-enabled wireless video streaming systems

## Features

- Integrated high-performance PA, LNA with bypass, T/R switch, and coupler for Wi-Fi 7 (802.11be) applications
- Fully matched input and output
- Integrated logarithmic power detector
- Transmit small signal gain: 34 dB
- Receive small signal gain: 15 dB
- AM/AM distortion: 1 dB
- AM/PM distortion: 4 degrees
- 16-pin, 3.0 x 3.0 mm MCM package (MSL3, 260 °C per JEDEC J-STD-020)
- For RoHS and other product compliance information, see the [Skyworks Certificate of Conformance](#).

## Description

The SKY85508-11 is a highly integrated, front-end module (FEM) incorporating a transmit/receive (T/R) switch, a high-gain low-noise amplifier (LNA) with bypass, and a power amplifier (PA) intended for Wi-Fi 7 (802.11be) applications and systems.



**Figure 1. Functional Block Diagram**

## Ordering Information

Part Number	Description	Evaluation Board Part Number
SKY85508-11	Non-Linear 5 GHz Front-End Module for Wi-Fi® 7 Applications	SKY85508-11EK1

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