

## PRODUCT SUMMARY

# SKY85512-11: Non-Linear 5 GHz High-Power Front-End Module for Wi-Fi® 8 Applications

## Applications

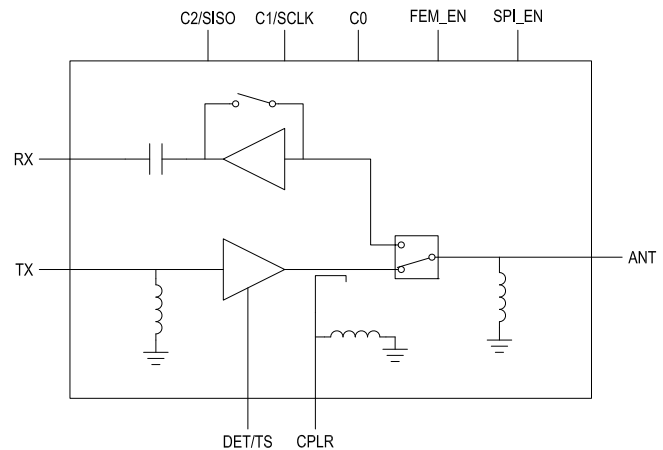
- Wireless routers
- Access points
- Home gateways
- Customer Premise Equipment (CPE)
- Mesh/whole-home Wi-Fi® systems
- Wi-Fi-based home entertainment systems

## Features

- Integrated non-linear, high performance 5 GHz front-end module (FEM)
- Fully matched input and output
- Integrated logarithmic power detector
- 24-pin, 3 x 5 mm package
- (MSL3, 260 °C per JEDEC J-STD-020)
- For RoHS and other product compliance information, see the [Skyworks Certificate of Conformance](#).

## Description

The SKY85512-11 is a highly integrated front-end module (FEM) incorporating a transmit/receive (T/R) switch, a low-noise amplifier (LNA) with high-gain, low-gain and bypass mode, and a power amplifier (PA) intended for high power Wi-Fi 8 (802.11bn) applications and systems.



**Figure 1. Functional Block Diagram**

## Ordering Information

| Part Number | Description                                                            | Evaluation Board Part Number |
|-------------|------------------------------------------------------------------------|------------------------------|
| SKY85512-11 | Non-Linear 5 GHz High-Power Front-End Module for Wi-Fi® 8 Applications | SKY85512-11EK1               |

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