

PRODUCT SUMMARY

SKY85505-11: 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 PA, LNA with bypass mode and T/R switch
- Fully matched input and output
- Integrated logarithmic power detector
- Small (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 SKY85505-11 is a highly integrated, 5 GHz front-end module (FEM) incorporating a transmit/receive (T/R) switch, a high-performance low-noise amplifier (LNA) with bypass mode, and a non-linear PA intended for high-power Wi-Fi 8 (802.11bn) applications and systems.

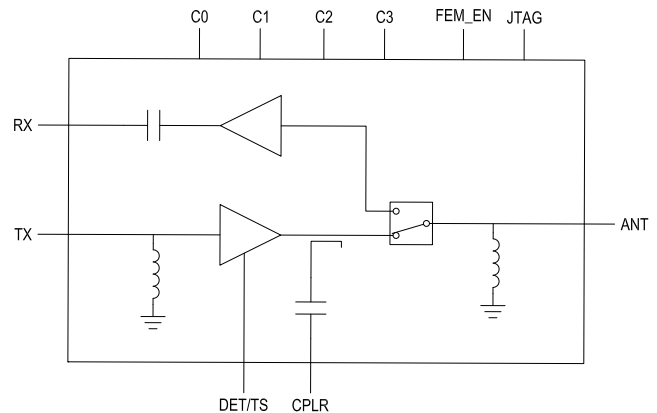


Figure 1. Functional Block Diagram

The LNA and PA disable functions ensure low leakage current in off mode. An integrated logarithmic power detector is included to provide closed-loop power control within the system.

Ordering Information

Part Number	Description	Evaluation Board Part Number
SKY85505-11	Non-Linear 5 GHz High-Power Front-End Module for Wi-Fi® 8 Applications	SKY85505-11EK1

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