

PRODUCT SUMMARY

SKY85642-11: Non-Linear 6 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 6 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 SKY85642-11 is a highly integrated 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.

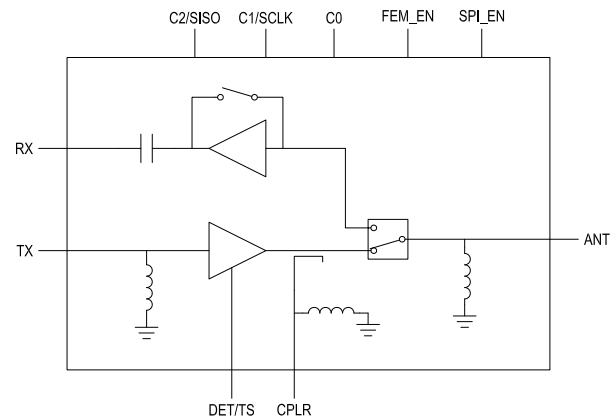


Figure 1. Functional Block Diagram

Ordering Information

Part Number	Description	Evaluation Board Part Number
SKY85642-11	Non-Linear 6 GHz High-Power Front-End Module for Wi-Fi® 8 Applications	SKY85642-11EK1

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