SKYWORKS®

Simplify Designs and Maximize Battery Life with High-performance, Fully-integrated CSP Form Factor RF Front-end Modules

High-performance, highly-integrated RF front-end modules (FEMs) designed for Bluetooth®, Zigbee®, and Thread applications integrate the key building blocks - power amplifier, low-noise amplifier, and transmit/receive switches - to simplify design and boost link budgets of multi-protocol voltage wireless SoCs.

Designed to support small, low power, highly efficient applications such as wearables, smart home, asset tracking and audio products operating over a wide spectrum of the battery discharge curve to maximize operating life.

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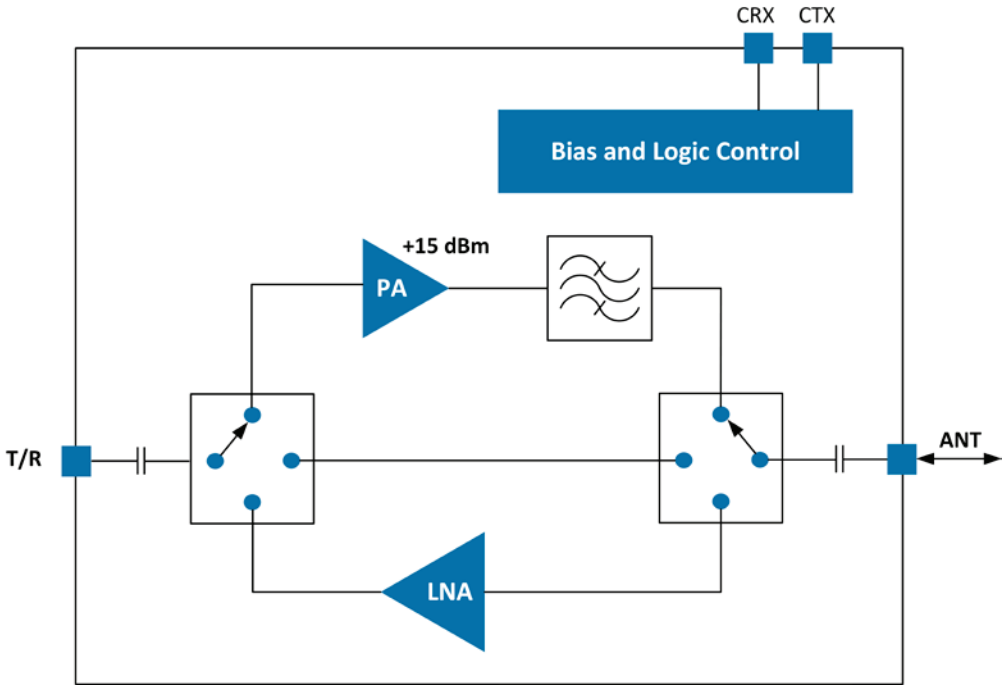
Featured Product

SKY66409-11

2.4 GHz Front-end Module for Bluetooth®, Zigbee® and Thread Applications



Features

- Fully integrated 2.4 GHz RF front-end module with PA, LNA, switches and digital controls
- Wide supply voltage range and low sleep mode current maximize battery life
- Adjustable gain, output power, and current consumption
- Integrated PA, +13 dBm output, up to 15 dBm (max.)
- Bluetooth® signal EDR output: +10.5 dBm
- Integrated LNA (2.5 dB noise figure typ.) with ultralow Rx current: 1.5 mA typ.
- Fast switch on/off time: < 800 ns
- Sleep mode current: < 1 µA typ.
- 12-pin CSP, 1.25 mm x 1.7 mm x 0.35 mm

Part Number	Description	Package
SKY66409-11	2.4 GHz FEM with PA, LNA, T/R switches, and digital controls	12-pin, 1.25 mm x 1.7 mm x 0.35 mm CSP