

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.

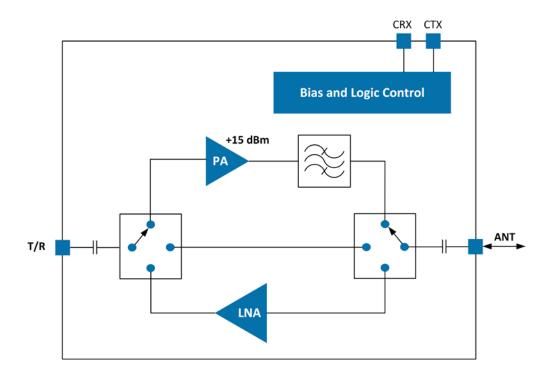
skyworksinc.com



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

Copyright © 2024 Skyworks Solutions, Inc. All Rights Reserved.

Skyworks, the Skyworks logo and others are trademarks or registered trademarks of Skyworks Solutions, Inc. or its subsidiaries in the United States and other countries. Third-party brands and names are for identification purposes only and are the property of their respective owners.