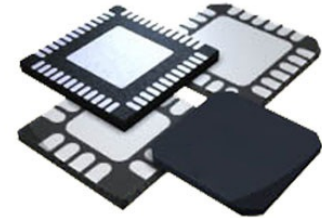


RF Front-end Integrated Circuit)

Images are for reference only

[Inquiry](#)**Manufacturer:** [Skyworks Solutions, Inc](#)**Package/Case:** QFN-20**Product Type:** RF Integrated Circuits**RoHS:** RoHS Compliant/Lead free **Lifecycle:** Active**General Description**

The RFX2411 is a fully integrated, single-chip, single-die RFeIC (RF Front-end Integrated Circuit) which incorporates all the RF functionality needed for wireless ZigBee / smart energy applications. The RFX2411 architecture integrates the PA, LNA, Transmit and Receive switching circuitry, the associated matching network, a harmonic filter and a diversity switch all in a CMOS single-chip device. It also includes a bypass mode to provide maximal level of flexibility for system implementations.

This RFeIC is designed for use in 2.4GHz ISM band and supports the 802.15.4 and ZigBee standard. Typical high power applications include home and industrial automation, smart power, and RF4CE among others. Combining superior performance, high sensitivity and efficiency, low noise, small form factor, and low cost, RFX2411 is the perfect solution for applications requiring extended range and bandwidth. RFX2411 has simple and low-voltage CMOS control logic, and requires minimal external components for system implementation. The PA power detect circuit is also integrated.

Key Features

2.4GHz ZigBee High Power Single-Chip, Single-Die RF Front-End IC

Antenna Diversity Switch

2.4GHz Transmit High Power Amplifier with Low-Pass Harmonic Filter

Low Noise Amplifier

Transmit/Receive Switch Circuitry

High Transmit Signal Linearity Meeting Standards for OQPSK Modulation

Integrated Power Detector for Transmit Power Monitor and Control

Low Voltage (1.2V) CMOS Control Logic

ESD Protection Circuitry on All Ports

DC Decoupled RF Ports

Internal RF Decoupling on All VDD Bias Pins

Low Noise Figure for the Receive Channel

Very Low DC Power Consumption

Full On-chip Matching and Decoupling Circuitry

Minimal External Components Required

50-Ohm Input / Output Matching

Market Proven CMOS Technology

3 x 3 x 0.55mm Small Outline QFN-20 Package with Exposed Ground Pad

Application

Home Security and Automation

Lighting

Smart Cities

Smart Energy

Connected Homes

Recommended For You

RFX2402E

Skyworks Solutions, Inc
QFN16

RFX2411

Skyworks Solutions, Inc
QFN

RFX1010

Skyworks Solutions, Inc
QFN16

RFX2401C

Skyworks Solutions, Inc
QFN16

RFX2402C

Skyworks Solutions, Inc
QFN16

RFX8050W

Skyworks Solutions, Inc
QFN

RFX8425

Skyworks Solutions, Inc
QFN

RFX8053

Skyworks Solutions, Inc
QFN

RFX8422S

Skyworks Solutions, Inc
QFN

RFX5000B

Skyworks Solutions, Inc

QFN

RFX8055

Skyworks Solutions, Inc

QFN

RFX8050

Skyworks Solutions, Inc

QFN

RFX8051B

Skyworks Solutions, Inc

QFN16

RFX8422

Skyworks Solutions, Inc

QFN

SKY85712-21

Skyworks Solutions, Inc

QFN