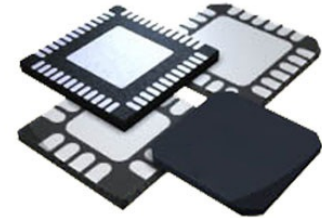


LNA/PA RF Front End 2dB 22-Pin MCM EP



Images are for reference only

[Inquiry](#)

Manufacturer: [Skyworks Solutions, Inc](#)

Package/Case: QFN

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The SKY66403-11 is a high-performance, fully integrated RF front-end module (FEM) designed for ZigBee, Thread, and Bluetooth (including Low Energy) applications.

The SKY66403-11 is designed for ease of use and maximum flexibility. The device provides an integrated inter-stage matching and harmonic filter, and digital controls compatible with 1.6 V to 3.6 V CMOS levels.

The RF blocks operate over a wide supply voltage range from 1.8 V to 3.6 V that allows the SKY66403-11 to be used in battery powered applications over a wide spectrum of the battery discharge curve.

A functional block diagram is shown in Figure 1. The SKY66403-11 is provided in a small, 22-pin, 3.5 mm x 3.0 mm Multi-Chip Module (MCM) package.

Reference Designs

The SKY66403-11 FEM has been designed into reference designs with products from Dialog Semiconductor, Nordic Semiconductor, NXP, Texas Instruments and Silicon Labs. Combined with our partners' platforms, the SKY66403-11 meets today's demand for long-range, low-power and cost-effective solutions.

Dialog Semiconductor	Nordic Semiconductor	NXP	Texas Instruments	Silicon Labs
DA14681 and DA14683	nRF52, nRF52840	JN5179	CC2650	EFR32, EM358

Key Features

Integrated PA with up to +21 dBm output power

Integrated LNA (2 dB noise figure typical) and bypass path

Integrated antenna diversity switching for all modes

Single-ended transmit/receive interface

Fast switch on/off time: < 800 ns

Supply range: 1.8 V to 3.6 V

Sleep mode current: < 1 μ A typical

No external bias resistor is required

Small MCM (22-pin, 3.5 mm x 3.0 mm x 1.0 mm) package, NiPdAu-plated (MSL3, 260 °C per JEDEC-J-STD-020)

Application

Connected Homes

Wearables

Industrial IoT

Wireless Audio/Video

Lighting

HDTV Home Gateways, Bridges and Hubs

Recommended For You

SKY85712-21

Skyworks Solutions, Inc

QFN

SKY13373-460LF

Skyworks Solutions, Inc

QFN

SKY65404-31

Skyworks Solutions, Inc

QFN

SKY67151-396LF

Skyworks Solutions, Inc

QFN

SKY65723-81

Skyworks Solutions, Inc

DFN-6

SKY13320-374LF

Skyworks Solutions, Inc

QFN

SKY13415-485LF

Skyworks Solutions, Inc

QFN14

SKY13585-679LF

Skyworks Solutions, Inc

QFN

SKY85712-11

Skyworks Solutions, Inc

QFN

SKY13416-485LF

Skyworks Solutions, Inc

QFN

SKY13431-374LF

Skyworks Solutions, Inc

DFN6

SKY13372-467LF

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SKY67150-396LF

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