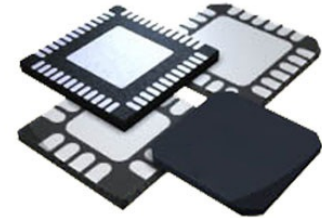


LNA RF Front End 1.7dB 10-Pin MCM EP



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 SKY65943-11 is a front-end module (FEM) with an integrated low-noise amplifier (LNA) and pre-filter and post-filter designed for Global Navigation Satellite System (GNSS) receiver applications. The device provides high gain, excellent out-of-band rejection, and low noise figure. The pre-filter and post-filter provide low in-band insertion loss and excellent rejection for the cellular, PCS, and WLAN frequency bands. Output matching components are embedded inside the device. Only one external input matching inductor is required.

The SKY65943-11 is optimized to operate at 1559 to 1606 MHz, which makes it ideal for GPS/GLONASS/Galileo/Compass/QZSS radio receiver applications.

The SKY65943-11 uses surface-mount technology (SMT) in the form of a 2.5 x 2.5 mm Multi-Chip Module (MCM) package, which allows for a highly manufacturable and low-cost solution.

Key Features

- Small signal gain: 16 dB
- Out-of-band P1dB: +6 dBm
- Out-of-band rejection: +80 dBc, 1627 to 1660 MHz
- Low noise figure: 1.7 dB
- Low current consumption: 2.9 mA @ 1.8 V
- Input/output impedance internally matched to 50 Ω
- Single DC supply: 1.62 to 3.3 V
- Minimum number of external SMT devices required
- Small MCM (10-pin, 2.5 x 2.5 mm) package (MSL3, 260 °C per JEDEC J-STD-020)

Application

- Cameras
- Wearables

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

Skyworks Solutions, Inc

QFN

SKY67150-396LF

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DFN6

SKY13414-485LF

Skyworks Solutions, Inc

QFN

SKY65405-21

Skyworks Solutions, Inc

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