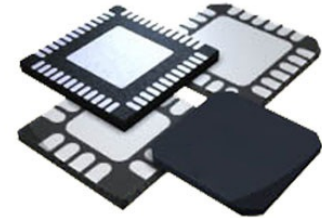


LNA/PA RF Front End 12-Pin MCM



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 SKY85735-11 is a highly integrated, 5 GHz front-end module (FEM) incorporating a 5 GHz single-pole, double-throw (SPDT) transmit/receive (T/R) switch, a 5 GHz low-noise amplifier (LNA) with bypass, and a 5 GHz power amplifier (PA) intended for mobile/portable 802.11ac applications and systems.

An enable/disable function allows power savings during off mode. An integrated power detector with 20 dB of dynamic range provides closed-loop power control within the system.

The device is provided in a compact, 12-pin 2.0 x 2.0 x 0.6 mm Multi-Chip Module (MCM) package.

Key Features

Integrated high-performance 5 GHz PA, LNA with bypass, and SPDT

Fully matched input and output

Integrated, positive slope power detector

Transmit loopback mode

Transmit gain: 32 dB

Receive gain: 14 dB

Output power: +21 dBm, @3% (-30 dB) DEVM, MCS7, HT40

Output power: +20 dBm @ 1.8% (-35 dB) DEVM, MCS9, VHT80

Direct connection to battery with 5 V nominal supply voltage

Small MCM (12-pin, 2.0 x 2.0 x 0.6 mm) package (MSL3, 260 °C per JEDEC J-STD-020)

Application

Set-Top Boxes

Routers and Gateways

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

Skyworks Solutions, Inc
DFN6

SKY13414-485LF

Skyworks Solutions, Inc
QFN

SKY65405-21

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