

## LNA/PA RF Front End 1.5dB 15dB 28-Pin MCM

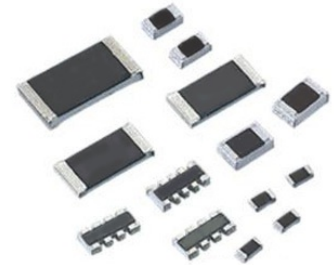
**Manufacturer:** [Skyworks Solutions, Inc](#)

**Package/Case:** SMD

**Product Type:** RF Integrated Circuits

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The Skyworks SKY65364-21 is a high-performance, transmit/receive (T/R) high-power front-end module. The device provides a complete T/R chain with T/R switches.

The device transmit chain features +30 dBm output power and a 40 percent power-added efficiency (PAE).

The device receive chain features a low-noise amplifier (LNA) with a 1.5 dB noise figure (NF) and 15 dB gain. The cascaded NF and gain, taking into account the 0.5 dB insertion loss transmit/receive antenna switch, are 2.1 dB and 14.5 dB, respectively, which makes the SKY65364-21 ideal for medium power microwave links such as 900 MHz Industrial, Scientific, and Medical (ISM) band applications.

The module also has a shutdown mode, PA bypass mode, and LNA bypass mode to minimize power consumption.

The device is mounted in a 28-pin, 6 x 6 mm Multi-Chip Module (MCM) surface-mount technology (SMT) package, which allows for a highly manufacturable low-cost solution.

## Key Features

Transmit output power > +30 dBm

High-efficiency PA

Analog power control

Receive path NF <2.1 dB

PA bypass mode

LNA low-current mode with external resistor

LNA bypass mode

Integrated control logic

Internal RF match and bias circuits

All RF ports internally DC blocked

Shutdown mode

Small footprint MCM (28-pin, 6 x 6 mm) package (MSL3, 260 °C per JEDEC J-STD-020)

## Application

Connected Homes

## Recommended For You

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### 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

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