
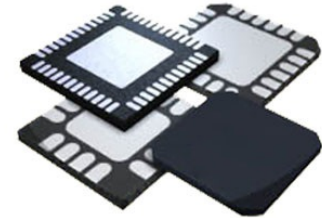


GPS Amp Single Low Noise 1.606GHz 2.85V 6-Pin QFN

Manufacturer:	Skyworks Solutions, Inc
Package/Case:	QFN
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The SKY65605-21 is a Microwave Monolithic Integrated Circuit (MMIC) front-end low-noise amplifier (LNA) designed for BeiDou Satellite Navigation System/Global Positioning System/Global Navigation Satellite System (BDS/GPS/GNSS) receiver applications. The device provides high linearity, excellent gain, a high 1 dB input compression point (IP1dB), and a superior noise figure (NF).

The SKY65605-21 is optimized to operate from 1.559 to 1.606 GHz, which makes it ideal for BDS/GPS/GNSS radio receiver applications.

The SKY65605-21 is fabricated using advanced SiGe BiCMOS technology. The LNA uses surface-mount technology (SMT) in the form of a 0.7 x 1.1 mm Quad Flat No-Lead (QFN) package, which allows for a highly manufacturable and low-cost solution.

Key Features

- Small signal gain: 19 dB typical
- High in-band IIP3: -5 dBm
- Low noise figure: 0.6 dB typical
- High IP1dB: -14.5 dBm
- Low current consumption: 3.6 mA
- Input/output impedance internally matched to 50 Ω
- Single DC supply: 1.8 to 2.85 V
- Minimal number of external components required
- Ultra-small QFN (6-pin, 0.7 x 1.1 mm) package (MSL1, 260 °C per JEDEC J-STD-020)

Application

- Smartphones
- Remote Keyless Entry

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

Skyworks Solutions, Inc
QFN