

PRODUCT SUMMARY

SKY65730-13: Sky5® Shielded Low-Noise Amplifier Front-End Module

Applications

- GPS L5 band + Galileo E5A/E5B
- Smartphones
- Laptop PCs and tablets

Features

- Small signal gain: 18 dB typical
- Low noise figure: 1.8 dB typical
- Low current consumption
- I/O impedance internally matched to 50 Ω
- DC supply: 1.2 V to 1.8 V
- LNA Enable = 1.2 V to 1.8 V
- Small, low-profile package, 1.6 mm x 1.6 mm x 0.65 mm (max)
- MSL3, 260 °C per JEDEC J-STD-020
- For RoHS and other product compliance information, see the [Skyworks Certificate of Conformance](#).

Description

The SKY65730-13 is an integrated, shielded front-end module (FEM) with an integrated low-noise amplifier (LNA) designed for Global Positioning System (GPS) receiver applications. The device provides high linearity, excellent gain, and low noise figure (NF). The SKY65730-13 is part of our Sky5® product portfolio.

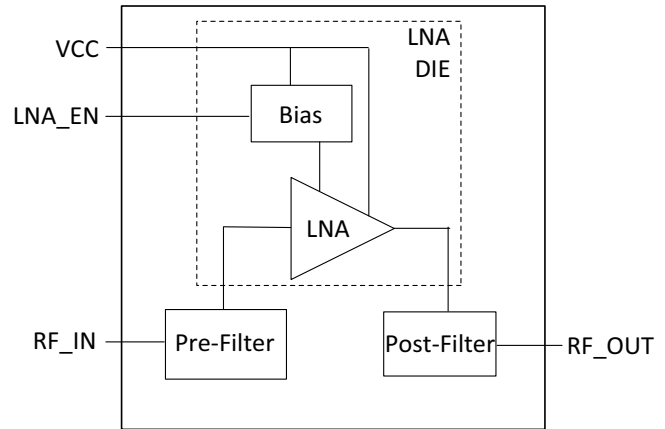


Figure 1. Functional Block Diagram

The SKY65730-13 has integrated notch filtering for excellent rejection of the cellular, PCS, and WLAN frequency bands.

The SKY65730-13 is housed in an SMT Multi-Chip Module (MCM), enabling a highly manufacturable and low-cost solution.

Ordering Information

Part Number	Description	Evaluation Board Part Number
SKY65730-13	Sky5® Shielded Low-Noise Amplifier Front-End Module	SKY65730-13EK1

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