



Product Brief

Applications

- 3G/4G multimode cellular tablets and handsets (LTE, UMTS, CDMA2000, EDGE and GSM)
- DRx modules improve Rx sensitivity and help LTE throughput while reducing Rx noise figure
- Embedded data cards

Features

- Diversity Rx FEM with six selectable filters and LNA paths
 - three Aux paths and optional bypass mode (SKY13470)
 - one Aux path and optional bypass mode (SKY13741)
 - three Aux paths (SKY13744)
- Low insertion loss thru path (SKY13740, SKY13741)
- SAW filters:
 - SKY13740, SKY13744
 - Band 26 (859 to 894 MHz)
 - Band 8 (925 to 960 MHz)
 - Band 20 (791 to 821 MHz)
 - Bands 1/4 (2110 to 2170 MHz)
 - Band 3 (1805 to 1880 MHz)
 - Band 7 (2620 to 2690 MHz)
 - SKY13741
 - Band 3 (1805 to 1880 MHz)
 - Band 39 (1880 to 1920 MHz)
 - Band 1 (2110 to 2170 MHz)
 - Band 40 (2300 to 2400 MHz)
 - Band 41 (2545 to 2655 MHz)
 - Band 7 (2620 to 2690 MHz)
- Integrated MIPI® interface
- Small MCM packages

Diversity Receive Front-end Modules

Highly Integrated Solutions Deliver Dramatic Enhancements in Downlink Data Rates

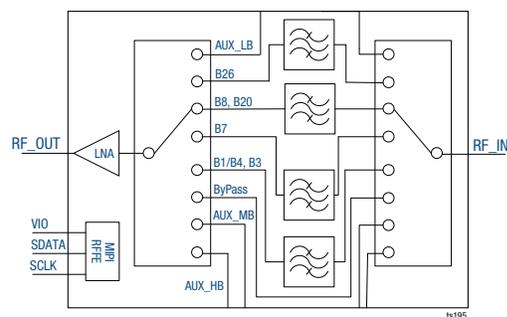
Skyworks' family of DRx modules incorporate low loss RF switches, receive SAW filters and LNAs, leveraging the company's systems level expertise to deliver highly integrated solutions that dramatically enhance downlink data rates in LTE advanced MIMO systems. By amplifying the receive signal, receiver sensitivity and data throughput are improved. As a result, carriers benefit from improved network efficiency and consumers enjoy a more robust data experience.

Skyworks' newest DRx modules improve receiver sensitivity and data throughput, deliver higher levels of integration in a smaller footprint and provide the flexibility to support multiple antenna configurations. From single-feed, broad band antennas to advanced multi-feed antennas addressing carrier aggregation, these solutions allow customers to choose the best configuration that meets their platform requirements.

The modules are baseband vendor agnostic, and are controlled via a standard RF front-end MIPI® control interface. Evaluation boards are available for each device.

SKY13740

SKY13740 is an LNA diversity module for cellular mobile devices that is optimized for single input/output world roaming user equipment platforms. The SKY13740 is provided in a MCM 23-lead 5 x 3 x 0.75 mm package.



SKY13740 Block Diagram



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Skyworks Green™ products are compliant to all applicable materials legislation and are halogen-free. For additional information, please refer to Skyworks Definition of Green™, document number SQ04-0074.

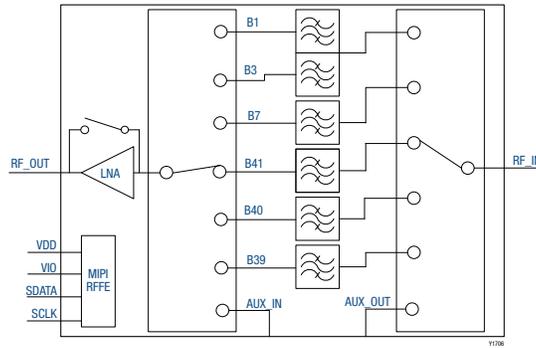


SKYWORKS®

Product Brief

SKY13741

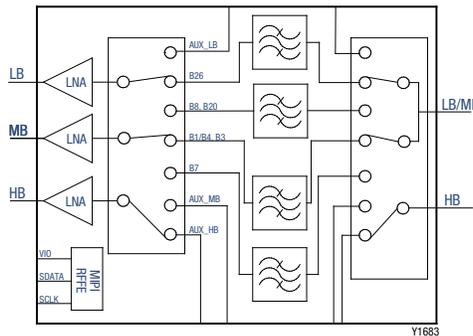
SKY13741 is an LNA diversity module for cellular mobile devices that is optimized for China-centric user equipment platforms. The SKY13741 is provided in a MCM 24-lead 4 x 3 x 0.7 mm package.



SKY13741 Block Diagram

SKY13744

SKY13744 is an LNA diversity module for cellular mobile devices that is optimized for platforms supporting carrier aggregation or multi-feed antenna designs. The SKY13744 is provided in a MCM 29-lead 5 x 3 x 0.75 mm package.



SKY13744 Block Diagram

For the latest information, please visit our website at www.skyworksinc.com

