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Skyworks Launches Family of Antenna Switches Supporting Carrier Aggregation

Devices Compliant to Tier-one, Carrier-driven Specifications

WOBURN, Mass.--(BUSINESS WIRE)--May. 13, 2013-- Skyworks Solutions, Inc. (NASDAQ: SWKS), an innovator of high performance analog semiconductors enabling a broad range of end markets, introduced groundbreaking RF switching technology that is enabling early adopters to implement carrier aggregation solutions. Carrier aggregation allows mobile service providers to combine spectrum and increase data rate throughput by utilizing two or more bands simultaneously instead of the single band method used currently, thereby giving consumers an enriched data experience regardless of location. Skyworks' devices support standardized inputs to popular industry chipsets (MIPI RFFE compatible) and address both transmit (Tx) and receive (Rx) switching paths.

"Skyworks' carrier aggregation switching solutions, which are compliant to tier-one, carrier-driven specifications, offer dedicated receive diversity functionality to accompany the primary antenna-switch path," said David Stasey, vice president and general manager of analog solutions at Skyworks. "These devices demonstrate that Skyworks is once again at the forefront of technology innovation – leveraging our technical breadth, depth and commitment to delivering best-in-class solutions."

Mobile operators are driving carrier aggregation to help increase the efficiency and speed of today's saturated mobile networks, particularly as consumers download an ever increasing amount of mobile content via smartphones. With the limited availability in the wireless spectrum, carriers are seeking innovative RF solutions as a means to fully utilize their allocated spectrum.

About Skyworks' Switch Technology

Skyworks offers a broad selection of RF switching solutions based on silicon on insulator (SOI) and pseudomorphic high electron mobility transistor (pHEMT) wafer process technologies, complementing its world-class, silicon and gallium-arsenide power amplifiers and front-end solutions. Skyworks' switches are available in many different configurations including ultra-high linearity, low insertion loss, high isolation, broadband, reflective and non-reflective.

- [SKY13456-11](#) is a double-pole, 14-throw (SP7T/SP7T) antenna switch module for primary antenna transmit. The switch features low insertion loss, high isolation, exhibits excellent IMD performance and is designed to meet stringent requirements of B17 third harmonic. Switching is controlled with an integrated mobile industry processor interface (MIPI) decoder allowing the low band and high band sections to be independently controlled by two separate registers. No external direct current (DC) blocking capacitors are required. The switch is manufactured in a small, 2.8 x 3.2 millimeter (mm), 26-pin multi-chip module (MCM) package.
- [SKY13484](#) is a dual pole, 12T (SP7T/SP5T), MIPI-controlled antenna switch designed specifically for Rx diversity in carrier aggregation applications. The SP5T switch is optimized for the low band, while the SP7T is for high band. Using advanced switching technologies, the device maintains low insertion loss and high isolation for all switching paths. The switch also exhibits excellent IMD2/IMD3 performance. Packaged in a small 2.5 x 2.9 x 1.0 mm, 22 lead MCM package, switching is controlled by a MIPI decoder and requires no DC blocking capacitors on the RF paths.

About Skyworks

Skyworks Solutions, Inc. is an innovator of high performance analog semiconductors. Leveraging core technologies, Skyworks supports automotive, broadband, cellular infrastructure, energy management, GPS, industrial, medical, military, wireless networking, smartphone and tablet applications. The Company's portfolio includes amplifiers, attenuators, circulators, demodulators, detectors, diodes, directional couplers, front-end modules, hybrids, infrastructure RF subsystems, isolators, lighting and display solutions, mixers, modulators, optocouplers, optoisolators, phase shifters, PLLs/synthesizers/VCOs, power dividers/combiners, power management devices, receivers, switches and technical ceramics.

Headquartered in Woburn, Mass., Skyworks is worldwide with engineering, manufacturing, sales and service facilities throughout Asia, Europe and North America. For more information, please visit Skyworks' Web site at: www.skyworksinc.com.

Safe Harbor Statement

This news release includes "forward-looking statements" intended to qualify for the safe harbor from liability established by the

Private Securities Litigation Reform Act of 1995. These forward-looking statements include without limitation information relating to future results and expectations of Skyworks (including without limitation certain projections and business trends). Forward-looking statements can often be identified by words such as "anticipates," "expects," "forecasts," "intends," "believes," "plans," "may," "will," or "continue," and similar expressions and variations or negatives of these words. All such statements are subject to certain risks, uncertainties and other important factors that could cause actual results to differ materially and adversely from those projected, and may affect our future operating results, financial position and cash flows.

These risks, uncertainties and other important factors include, but are not limited to: uncertainty regarding global economic and financial market conditions; the susceptibility of the semiconductor industry and the markets addressed by our, and our customers', products to economic downturns; the timing, rescheduling or cancellation of significant customer orders and our ability, as well as the ability of our customers, to manage inventory; losses or curtailments of purchases or payments from key customers, or the timing of customer inventory adjustments; the availability and pricing of third party semiconductor foundry, assembly and test capacity, raw materials and supplier components; changes in laws, regulations and/or policies, including the possibility of expiring tax cuts combined with mandatory reductions in federal spending, in the United States that could adversely affect either (i) the economy and our customers' demand for our products or (ii) the financial markets and our ability to raise capital; our ability to develop, manufacture and market innovative products in a highly price competitive and rapidly changing technological environment; economic, social and political conditions in the countries in which we, our customers or our suppliers operate, including security and health risks, possible disruptions in transportation networks and fluctuations in foreign currency exchange rates; fluctuations in our manufacturing yields due to our complex and specialized manufacturing processes; delays or disruptions in production due to equipment maintenance, repairs and/or upgrades; our reliance on several key customers for a large percentage of our sales; fluctuations in the manufacturing yields of our third party semiconductor foundries and other problems or delays in the fabrication, assembly, testing or delivery of our products; our ability to timely and accurately predict market requirements and evolving industry standards, and to identify opportunities in new markets; uncertainties of litigation, including potential disputes over intellectual property infringement and rights, as well as payments related to the licensing and/or sale of such rights; our ability to rapidly develop new products and avoid product obsolescence; our ability to retain, recruit and hire key executives, technical personnel and other employees in the positions and numbers, with the experience and capabilities, and at the compensation levels needed to implement our business and product plans; lengthy product development cycles that impact the timing of new product introductions; unfavorable changes in product mix; the quality of our products and any remediation costs; shorter than expected product life cycles; problems or delays that we may face in shifting our products to smaller geometry process technologies and in achieving higher levels of design integration; and our ability to continue to grow and maintain an intellectual property portfolio and obtain needed licenses from third parties, as well as other risks and uncertainties, including, but not limited to, those detailed from time to time in our filings with the Securities and Exchange Commission.

The forward-looking statements contained in this news release are made only as of the date hereof, and we undertake no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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