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Skyworks Introduces Family of GaAs and SOI Antenna Switch Modules for 2/3/4G Wireless Broadband and Mobile Handset Applications

Devices Complement Company's Industry-Leading Front-End Solutions Portfolio and Demonstrate Broad Technology Capabilities

BARCELONA, Spain, Feb 16, 2010 (BUSINESS WIRE) -- Skyworks Solutions, Inc. (NASDAQ:SWKS), an innovator of high reliability analog and mixed signal semiconductors enabling a broad range of end markets, today announced that it has introduced a family of antenna switch modules (ASMs) for 2/3/4G handset and data card platforms using both gallium arsenide (GaAs) as well as silicon on insulator (SOI) technologies. Skyworks products address the three primary switching functions: main antenna, diversity, and band/mode.

These compact solutions deliver state-of-the-art technology to meet both high performance and low-cost architectures, depending upon the interface requirements. By delivering a comprehensive RF switch portfolio based on both technologies, Skyworks is able to augment its already broad portfolio of world-class switches currently used in the company's front-end modules.

"Skyworks is pleased to be supporting such a broad range of next-generation wireless broadband and mobile handset applications with our new family of antenna switch modules," said Dr. Gene A. Tkachenko, Skyworks' senior director of engineering. "These solutions highlight the breadth and depth of our technology as we look to best serve our customers' needs on multiple fronts and with highly integrated architectures."

About Skyworks' 4G GaAs pHEMT and SOI Antenna Switch Modules

- The [SKY13362](#) is a single-pole ten-throw (SP10T) ASM with an integrated complementary metal oxide semiconductor (CMOS) decoder and dual low pass harmonic filters. The small 3.0 x 3.8 mm switch has five 3/4G transmit-receive (TRx) ports, three receive (Rx) ports, and two global system for mobile communications (GSM) transmit signal low-pass harmonic filters that make it the flexible choice for multiple combinations of 2/3/4G multimode cellular applications. Using advanced switch technologies, the ASM maintains low insertion loss and high isolation on both transmit, transmit-receive and receive switching paths. Additionally, the switch was designed to meet or exceed system requirements for 2nd and 3rd harmonics into an antenna mismatch up to 5:1, while delivering linearity (excellent triple beat ratio), and second and third order (IP2, IP3) intermodulation distortion performance to provide manufacturers with sufficient margin in the certification process.
- The [SKY14152](#) is a low-cost, single-pole eight-throw (SP8T) ASM for use in multimode embedded data cards. The compact 3.2 x 3.2 mm device is designed for universal mobile telecommunications system (UMTS), code division multiple access (CDMA2000), enhanced data for GSM evolution (EDGE), and GSM applications and supports flexibility with up to five 3/4G TRx bands. The device consists of an SP8T switch, GSM transmit signal low-pass harmonic filters, and a RX SAW filter.
- The [SKY14153](#) is a low-cost, single-pole four-throw (SP4T) switch designed for wideband code division multiple access (WCDMA) and diversity switching applications that demand high linearity and low-insertion loss. The compact 2.0 x 2.0 mm switch is optimized for third generation partnership project (3GPP) 3/4G bands from 0.70 to 2.7 gigahertz (GHz).
- The [SKY14155](#) is a low cost, double-pole four-throw (DP4T) switch designed for broadband, 3/4G band switching applications which demand low insertion loss, high isolation, and high linearity. The compact 2.0 x 2.0 mm switch is manufactured using a state-of-the-art SOI process, and is optimized for 3G WCDMA mode/band switching applications.
- The [SKY18106](#) is a SP8T ASM designed for multimode, high power switching applications that demand low harmonics and insertion loss. The 3.2 x 4 mm switch is optimized for both 2G GSM/EDGE and 3G WCDMA applications and supports up to six 3/4G TRx ports with very low insertion loss, high isolation and excellent linearity under antenna mismatch conditions.

The newly introduced switch, ASM and FEM devices rely on state-of-the-art pseudomorphic high electron mobility transistor (pHEMT), SOI, integrated passive device (IPD), and wafer-level chip-scale package (WL-CSP) SAW technologies. No external blocking capacitors are required on any of the RF ports for all of these devices - thus minimizing customers' bill of materials and occupied board space.

Pricing and Availability

Samples of the SKY14152, SKY14153, SKY14155 and SKY18106 are currently available. The SKY13362 will be sampling in the second quarter of 2010. For customized pricing, please contact sales@skyworksinc.com.

Skyworks at Mobile World Congress

Skyworks will be showcasing its product portfolio in Hall 8, Stand C132 at Mobile World Congress being held February 15-18.

About Skyworks

Skyworks Solutions, Inc. is an innovator of high reliability analog and mixed signal semiconductors. Leveraging core technologies, Skyworks offers diverse standard and custom linear products supporting automotive, broadband, cellular infrastructure, energy management, industrial, medical, military and mobile handset applications. The Company's portfolio includes amplifiers, attenuators, detectors, diodes, directional couplers, front-end modules, hybrids, infrastructure RF subsystems, mixers/demodulators, phase shifters, PLLs/synthesizers/VCOs, power dividers/combiners, 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 wireless 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; changes in laws, regulations and/or policies in the United States that could adversely affect 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; the availability and pricing of third party semiconductor foundry, assembly and test capacity and raw materials; 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.

These forward-looking statements 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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Photos/Multimedia Gallery Available: <http://www.businesswire.com/cgi-bin/mmg.cgi?eid=6178729&lang=en>.

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