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Skyworks Launches Family of SMT Discrete Semiconductors for High Performance Mixer and Detector Applications

Industry's Smallest and Lowest Profile Packaged RF Schottky 0201 Diodes Ideal for Commercial and Military Markets

AMSTERDAM, Netherlands--(BUSINESS WIRE)--Oct. 27, 2008--Skyworks Solutions, Inc. (NASDAQ: SWKS), an innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity, today introduced the industry's smallest and lowest profile packaged silicon radio frequency (RF) Schottky diodes in a 0201 surface mount technology (SMT) footprint. This new family of ultra-miniature and high-performance packaged diodes, which is priced comparably to traditional plastic packages, is ideal for a wide range of high-volume and cost-sensitive applications including CATV/DBS set-top boxes, microwave radios, RFID tags, wireless infrastructure and embedded WLAN 802.11a/b/g/n modules.

"Skyworks' breakthrough technology enables discrete packaged RF diodes with a much lower profile and higher frequency operation than traditional plastic packaging," said David Stasey, Skyworks' vice president of Analog Components. "This results in a cost competitive, high performance, and small footprint solution that suits our customers who service a broad range of applications."

About the SMS7621-096 and SMS7630-093

The [SMS7621-096](#) is a low barrier silicon RF Schottky diode that is well suited for a variety of applications including high sensitivity RF power detection, video sampling circuits, and low conversion loss balanced mixers. The [SMS7630-093](#) is a very low barrier zero bias silicon RF Schottky diode that is ideal for ultra-sensitive video detectors and sampling applications. Very low package parasitic impedance, forward voltage, and junction capacitance makes both devices well suited for RF and microwave signal detection applications up to 26 gigahertz (GHz) - traditional plastic packaging is typically only specified up to 10 GHz.

Skyworks' low-cost packaging technology results in an ultra-miniature 0201 form factor diode with overall height of less than 0.3 millimeters - able to fit into a board area that is over 30 percent smaller than other packaged diode solutions. The devices are protected with a stress absorbent passivation for high reliability, and are compatible with existing high-speed 0201 surface mount assembly equipment. Leadless diode packaging also allows for greatly improved high frequency operation and tighter parameter distribution when compared to plastic-packaged alternatives.

Both diodes can operate over a wide temperature range of -65 to +150 degrees Celsius and are well suited for both military and commercial applications. In addition, the discrete solutions are offered in lead (Pb)-free restriction of hazardous substances (RoHS) packaging.

Pricing and Availability

Sample quantities are available now in bulk and tape and reel packaging with volume production release scheduled for November 2008. Skyworks is also developing a series of pair and anti-parallel pair configurations to further expand the company's Schottky diode 0201 product offerings, and will be sampling new PIN and varactor diodes in similar ultra-miniature packaging early in 2009. For specific pricing and delivery information, please contact sales@skyworksinc.com.

Skyworks at European Microwave Week 2008

Skyworks will be showcasing their technology in Booth 1504 at European Microwave Week 2008, being held Oct. 27-31 in Amsterdam, The Netherlands at the Amsterdam RAI.

About Skyworks

Skyworks Solutions, Inc. is an innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity. The company's power amplifiers, front-end modules and direct conversion radios are at the heart of many of today's leading-edge multimedia handsets. Leveraging core technologies, Skyworks also offers a diverse portfolio of linear products that support automotive, broadband, cellular infrastructure, industrial and medical applications.

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.skyworksin.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 information relating to future results and expectations of Skyworks (including certain projections and business trends). Forward-looking statements can often be identified by words such as "anticipates," "expects," "intends," "believes," "plans," "may," "will," "continue," similar expressions, and variations or negatives of these words. All such statements are subject to certain risks and uncertainties 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 and uncertainties include, but are not limited to: uncertainty regarding global economic and financial market conditions; the cyclical nature of the semiconductor industry and the markets addressed by our, and our customers', products; our ability to develop, manufacture and market innovative products in a highly price competitive and rapidly changing technological environment; 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; 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; 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; 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; our ability to continue to grow and maintain an intellectual property portfolio and obtain needed licenses from third parties; and the uncertainties of litigation, including disputes over intellectual property, 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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