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Skyworks Unveils New High-Efficiency Linear Power Amplifier for WCDMA Handsets

Builds on 3G Leadership with over 50 Million WCDMA PAs Shipped

BARCELONA, Spain, Feb 12, 2008 (BUSINESS WIRE) -- Skyworks Solutions, Inc. (NASDAQ:SWKS), an innovator of high performance analog and mixed signal semiconductors enabling mobile connectivity, today unveiled a new high-efficiency linear power amplifier (PA) for wideband code division multiple access (WCDMA) handsets. The SKY77185, designed to address European market needs for the universal mobile telecommunications system (UMTS) radio access network, is currently sampling. Skyworks has shipped over 50 million WCDMA PAs as of December 2007.

Skyworks drastically reduced bill-of-materials (BOM) by including an integrated coupler for power control - typically a discrete component on the reference design. In addition, the PA produces high power added efficiency (PAE) at mid power which significantly increases talk times.

"Skyworks leadership 3G portfolio is unparalleled," said Thomas J. Richter, director of marketing at Skyworks. "Our high level of integration significantly reduces part size and bill-of-materials, while at the same time improving battery life - a win-win combination for our handset customers."

About the SKY77185

The SKY77185 3 x 3 x 1 mm band 1 PA with integrated coupler is a fully matched, 10-pad surface mount module developed for WCDMA applications. This small and efficient PA packs full coverage of the 1920-1980 megahertz (MHz) bandwidth into a single compact package. Due to high efficiencies attained throughout the entire power range, the solution delivers unsurpassed talk-time advantages.

The single gallium arsenide (GaAs) microwave monolithic integrated circuit (MMIC) contains all active circuitry in the module. The MMIC contains on-board bias circuitry, as well as input and interstage matching circuits. The device is manufactured using the company's InGaP GaAs heterojunction bipolar transistor (HBT) BiFET process that provides for all positive voltage direct current (DC) supply operation while maintaining high efficiency and linearity. Digital bias control can be used to optimize efficiency at high, mid and low power.

Pricing and Availability

Samples of the SKY77185 FEM are currently available, with volume production scheduled for July 2008. For customized pricing, please contact sales@skyworksinc.com.

Skyworks at Mobile World Congress

Skyworks will be showcasing its portfolio of Intera™ FEMs and Helios™ radio solutions in Hall 8, Stand C132 at Mobile World Congress, being held February 11-14.

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 transceivers 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.skyworksinc.com.

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