



## **NEW 3G POWER AMPLIFIER FROM JAVELIN SEMICONDUCTOR TARGETS BAND II APPLICATIONS**

*-- JAV5502 is the Latest Addition to Javelin's Award-Winning CMOS PA Portfolio --*

**AUSTIN, Texas – Dec. 20, 2011** – Javelin Semiconductor, Inc., today announced the JAV5502 3G Band II power amplifier (PA), the newest member of its ground-breaking CMOS PA product family. Based on the patented architecture of Javelin's Band I PAs, the JAV5502 brings industry-leading low power consumption, low noise, high performance and high reliability to Band II applications targeting American markets and world phones. Like all members of Javelin's PA family, the JAV5502 is offered in an industry-standard 3x3 mm package and is software-compatible with all 3G baseband platforms, simplifying adoption into a broad range of wireless applications including smartphones, tablets, e-readers, WCDMA modules and modems.

“Javelin is leading the transition to CMOS PAs in 3G smartphones, the fastest-growing segment of the mobile phone market. Our Band I PAs are gaining broad acceptance in smartphones for Asian and European markets and adding the JAV5502 to our portfolio will accelerate this transition,” said Brad Fluke, president and chief executive officer of Javelin. “Customers recognize the inherent supply assurances of Javelin's CMOS implementation, plus their products' battery life and performance is improved by Javelin's low power consumption and ultra-low noise.”

Javelin's PAs measured in actual handsets have achieved excellent linearity and the best noise performance of any 3G PA on the market today, which improves overall handset performance by minimizing interference with other 3G, GSM, GPS, WLAN and Bluetooth radios in smartphones. Javelin's PAs feature the highest ESD rating in the industry, passing 3 kV on all pins, which enables higher manufacturing yields. Also, with CMOS integration, the JAV5502 is the first PA to support a MIPI digital interface for advanced features including power control.



Javelin holds 16 patents on its innovative architecture and is the first company to produce a 3G PA in standard CMOS that meets or exceeds all stringent industry performance and reliability standards. The JAV5502 integrates complete circuitry for power regulation, PA bias, input and output matching, and power control. It requires no custom software development, enabling a simple design-in process. Samples are available now, with volume shipments beginning in March 2012. For more information on the JAV5502, please contact your local sales representative or email [sales@javelinsemi.com](mailto:sales@javelinsemi.com).

### **About Javelin Semiconductor**

Javelin Semiconductor is an innovator of high-performance, mixed-signal ICs for wireless communications. Developed by a world-class engineering team, Javelin's products are implemented in CMOS, the world's most widely available semiconductor process technology. Javelin was founded in 2007 and is based in Austin, Texas.

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