# Javelin Semiconductor's CMOS 3G Power Amplifier Selected by Samsung

Javelin Semiconductor announced that Samsung Electronics has selected Javelin's JAV5501 Band I PA for new Galaxy smartphones. The initial Samsung phone model available with Javelin's PA is the Galaxy Ace Plus, a mid-range Android-based 3G smartphone. Following the widely popular Galaxy Ace, the Galaxy Ace Plus features a larger 3.65 inch display, faster 1 GHz processor, 5 megapixel camera, Bluetooth and Wi-Fi.

"Shipping to Samsung, a worldwide leader in mobile phones, is a significant achievement for Javelin," said Brad Fluke, president and chief executive officer of Javelin. "As a fully-qualified 3G PA supplier, Javelin has proven the performance, quality and reliability of our patented architecture. We look forward to continue working closely with Samsung on next-generation smartphones."

The JAV5501 is the first CMOS 3G PA in volume production with a leading smartphone manufacturer. Javelin's PAs utilize standard CMOS to implement an innovative mixed-signal architecture that delivers enhanced performance and advanced features. Javelin PAs achieve excellent linearity and have the best noise performance of any 3G PA on the market today, improving overall smartphone performance by minimizing interference with wireless radios such as Bluetooth, Wi-Fi and GPS. Also, with low average power consumption, Javelin PAs extend overall smartphone battery life.

With PAs in standard CMOS, Javelin can offer supply assurance from the world's largest foundries as well as the highest levels of quality, reliability and robustness in the industry, compared to existing proprietary PA process technologies. Javelin offers a family of CMOS 3G PAs supporting multiple bands that are available in a tiny industry-standard 3x3 mm package and are software compatible with all 3G baseband platforms. For more information, please visit www.javelinsemi.com [1].

**Posted by Janine E. Mooney, Editor**

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[1] http://www.javelinsemi.com