Avago Technologies Showcases New Small Cell PAs and LTE/WiFi Coexistence Filters at IMS 2014

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- *New Small Cell PAs Addressing LTE Band 3, 12, 13, 17 and 40 and 2.4GHz WiFi Band*
- *Full Spectrum of FBAR Filters Enabling LTE and WiFi Coexistence*

SAN JOSE, Calif., and SINGAPORE, June 2, 2014 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, and industrial applications, today announced four new RF power amplifiers (PAs) for Small Cell base transceiver station (BTS) applications and a full spectrum of LTE/WiFi coexistence FBAR filters for mobile and wireless infrastructure applications.

Expanding upon Avago's proven MGA-43xxx PA family, Avago introduces the new MGA-43003, MGA-43013, MGA-43024 and MGA-43040 featuring high linearity, gain and power-added efficiency (PAE) with integrated power detector function. Along with the MGA-43xxx PA family, Avago will be showcasing a full spectrum of LTE/WiFi coexistence filters in the Avago Booth 1525 at the IMS 2014 exhibition in Tampa Bay, Florida, USA from June 3rd to 5th.

Product Highlights

- MGA-43003 (LTE Band 3 PA)
  - Linear P_{out} of +27 dBm at 48 dBc ACLR
  - Gain of 41.7 dB
  - PAE of 14%
- MGA-43013 (LTE Band 12, 13 and 17 PA)
  - Linear P_{out} of +27 dBm at 48 dBc ACLR
  - Gain of 33.5 dB
  - PAE of 16.5%
- MGA-43024 (2.4GHz WiFi PA)
  - P_{out} of +27.8 dBm at 2.5% EVM
  - Gain of 40.5 dB
  - PAE of 14.8%
- MGA-43040 (LTE Band 40 PA)
  - Linear P_{out} of +27 dBm at 48 dBc ACLR
  - Gain of 42 dB
  - PAE of 13%
- ACPF-7x24 (2.4GHz WiFi Filters)
  - Insertion Loss of < 1.7dB (Ch 1-13)
  - 50 dB Attenuation in Band 40
  - 55 dB Attenuation in Band 7
- ACPF-7x41 (LTE Band 41 Filters)
  - Insertion Loss of < 2.1dB
  - WiFi Attenuation (Ch 1-11) of > 40 dB
- ACPF-8x40 (LTE Band 40 Filters)
  - Insertion Loss of < 1.5dB
  - WiFi Attenuation (Ch 5-13) of > 40 dB
- ACMD-6x07 (LTE Band 7 Duplexers)
  - Tx Insertion Loss of < 2.5 dB
  - Rx Insertion Loss of < 2.0 dB
  - WiFi Attenuation of > 45 dB

"Avago is a leading provider of RF front end solutions for Small Cell applications with the industry's most comprehensive product offering of LTE PAs and LTE/WiFi coexistence filters," said Ron Ruebusch, senior vice president and general manager of Avago's Wireless Semiconductor Division. "The introduction of our four new MGA-43xxx PAs and full showcase of our LTE/WiFi coexistence filters at IMS 2014 further demonstrate Avago's commitment to addressing the growing Small Cell market segment."

"With mobile data demand overwhelming the mobile network, small cells are becoming an important part of building capacity for LTE," asserted Joe Madden, principal analyst at Mobile Experts. "The early days of femtocells are now changing to multi-band, multi-mode small cells where 3G, LTE, and Wi-Fi must operate simultaneously without interference. The industry needs high-performance RF filters and power amplifiers to make these multi-mode radio nodes successful."

Pricing and Availability

The new MGA-43003, MGA-43013, MGA-43024 and MGA-43040 are priced at $9.24 USD each in 1,000 unit quantity. Samples and production quantities are available now through Avago's direct sales channel and worldwide distribution partners. Please contact your local Avago Technologies sales representative for samples and pricing on other Avago MGA-43xxx PA and LTE/WiFi coexistence filter products.

Further information on the Avago MGA-43xxx PA and LTE/WiFi coexistence filter products for Small Cell BTS applications is available online at http://www.avagotech.com/smallcell

About Avago Technologies

Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, digital, mixed signal and optoelectronics components and subsystems with a focus in III-V compound semiconductor design and processing. Backed by an extensive portfolio of intellectual property, Avago products serve four primary target markets: wireless communications, wired infrastructure, enterprise storage, and industrial and other. For more information, visit Avago's website: www.avagotech.com.

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CONTACT: Press Contact:
Khanh Lam
Corporate Communications
press.relations@avagotech.com
Telephone: +1 408 435 4570

company logo

Avago Technologies