



Avago Technologies Introduces Pair of Miniature 0.25-Watt Analog Variable Gain Amplifiers for Cellular Infrastructure Applications

September 8, 2009

Amplifiers Offer Superior Linearity, High Dynamic Range and a Common Footprint for Use in a Variety of Base Station Applications

SAN JOSE, Calif. & SINGAPORE--(BUSINESS WIRE)--Sep. 8, 2009-- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for communications, industrial and consumer applications, today announced the addition of two miniature 0.25-Watt analog variable gain amplifiers to its broad portfolio of amplifier products for use in cellular infrastructure applications. Housed in a compact 5 mm by 5 mm by 1.1 mm, 10-lead module package, Avago's ALM-80110/80210 variable gain amplifiers feature a common footprint for easy integration into most base station designs. Additionally, these amplifiers offer high linearity and dynamic range performance and support all major cellular bands in North America, Europe and Asia.

The ALM-80110 operates from 0.4 to 1.6 GHz, while the ALM-80210 operates from 1.6 to 2.7 GHz and are ideal for use in WLL, WLAN, transmitter receiver gain control, and temperature compensation circuitry applications. Both amplifiers provide an exceptionally high Output 3rd Order Intercept Point (OIP3) level of 40 dBm, which is maintained over a wide attenuation range. Additionally, these devices feature a wide gain control range, low power consumption, as well as excellent input and output return loss.

Avago's ALM-80110/80210 variable gain amplifiers incorporate a unique solution which integrates Avago's high linearity 0.25W amplifiers and silicon PIN diode-based pie attenuator into a miniature multiple-chips-on-board (MCOB) module package. Both of these amplifiers feature broadband fully-matched input and pre-matched output for ease of use and require a minimum amount of external RF matching components. Moreover, the high linearity and dynamic range performance of these amplifiers is achieved through the use of Avago's proprietary 0.25 um GaAs enhancement-mode pHEMPT process and low distortion silicon pin diode technologies.

In a typical operating environment of 5-volts and 120 mA, the ALM-80110 delivers superior performance of 40 dBm OIP3, 40 dB attenuation range, 23.3 dBm output power at 1dB compress point (P1dB), 13.5 dB gain, 17 dB input return loss (IRL), and 12 dB output return loss (ORL) at 900MHz. Under the same operating conditions, the ALM-80210 offers 40 dBm OIP3, 35.7 dB attenuation range, 23.5 dBm output power at P1dB, 9.8 dB gain, 13.6 dB IRL and 12.1 dB ORL at 1900 MHz.

Features

- Superior linearity and high dynamic range
- High power handling capability
- Wide gain control range
- High OIP3 across attenuation range
- Easy to use with broadband input fully matched and output pre-matched
- Common footprint, external match network and PCB layout across 400 to 2700 MHz
- Halogen free
- Pb-Free and RoHS compliant

Pricing and Availability

Avago's ALM-80110/80210 analog variable gain amplifiers are priced at \$2.93 each in 10,000 piece quantities. Samples and production quantities are available now through Avago's direct sales channel and worldwide distribution partners.

About Avago Technologies

Avago Technologies is a leading supplier of analog interface components for communications, industrial and consumer applications. By leveraging its core competencies in III-V compound and silicon semiconductor design and processing, the company provides an extensive range of analog, mixed signal and optoelectronics components and subsystems to approximately 40,000 end customers. Backed by strong customer service support, the company's products serve four diverse end markets: wireless communications, wired infrastructure, industrial and automotive electronics, and consumer and computing peripherals. Avago has a global employee presence and heritage of technical innovation dating back 40 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com.

Safe Harbor Statement

This announcement and supporting materials may contain forward-looking statements which address our expected future business and financial performance. These forward looking statements are based on current expectations, estimates, forecasts and projections of future Company or industry performance based on management's judgment, beliefs, current trends and market conditions, and involve risks and uncertainties that may cause actual results to differ materially from those contained in the forward-looking statements. Accordingly, we caution you not to place undue reliance on these statements. Avago Technologies Finance Pte. Ltd.'s Annual Report on Form 20-F filed with the SEC on December 17, 2008, recent

Current Reports on Form 6-K, and other filings with the U.S. Securities and Exchange Commission ("SEC") (which you may obtain for free at the SECs website at <http://www.sec.gov>) discuss some of the important risk factors that may affect our business, results of operations, and financial condition.

Avago, Avago Technologies, and the A logo are trademarks of Avago Technologies. All other trademarks are the property of their respective owners.

NOTE TO EDITORS: Please direct reader inquiries to Avago Technologies at +1 800 235 0312, or e-mail us at support@avagotech.com.

Source: Avago Technologies

Avago Technologies

Alain Dangerfield, +1-408-435-6385

alain.dangerfield@avagotech.com