



New Avago Technologies Front-End Module Offers Best-in-Class Efficiency for WiFi 5GHz Access Points

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Small-Footprint Module Incorporates Power Amplifier, Path Coupler and Antenna Switch Technology with Low Current Consumption

SAN JOSE, Calif. & SINGAPORE--(BUSINESS WIRE)--Jan. 31, 2012-- Avago Technologies (Nasdaq:[AVGO](#)), a leading supplier of analog interface components for communications, industrial and consumer applications, today announced a highly efficient front-end module for WiFi access points. The new [AFEM-S105](#) module integrates a power amplifier, directional coupler, and SPDT antenna switch in a small-footprint 3.2 by 3.2 by 0.6 mm package. The power amplifier is optimized for IEEE 802.11 a/n WiFi modulation, helping the module streamline design of mobile and fixed wireless data applications in the 5.15 to 5.85 GHz frequency range.

Avago front-end modules integrate multiple high-performance technologies to reduce PCB board footprint and simplify design. The AFEM-S105 module leverages the company's proprietary 0.25 μm GaAs enhancement-mode pHEMT process technology to achieve robust RF performance across voltage and temperature levels, as well as low current consumption. The module exhibits flat gain and good match while providing linear power efficiency to meet stringent 802.11a/n mask conditions.

"Designers are under tremendous pressure to integrate WiFi connectivity to bring new products to market first," said James Wilson, director of marketing for wireless products at Avago. "Our easy-to-use AFEM-S105 front-end module provides a highly-integrated, compact solution that can be quickly designed in to WiFi access points and portable WiFi applications."

Additional AFEM-S105 Product Features

- All RF ports matched to 50 ohms for simplified design
- High Tx - Rx switch isolation
- Gain of 28 dB
- Stable under all loads or conditions
- Meets FCC 15.205 emission requirements at 15 dBm

U.S. Pricing and Availability

The AFEM-S105 front-end module is priced at \$2.00 each in 10,000 piece quantities. Samples and production quantities are available now through the Avago direct sales channel and via worldwide distribution partners. More information about the latest Avago front-end modules can be found at: www.avagotechwireless.com.

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 50 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com.

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