



Avago Technologies Extends Talk Time in GSM/EDGE Handsets with New Linear Power Amplifier Modules

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ACPM-7868 Modules Support Qualcomm Chipsets and Enable a Simple Migration Path to Linear Modulation for Widely-Used GSM Standard

SAN JOSE, Calif. & SINGAPORE, Oct 19, 2010 (BUSINESS WIRE) --

Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for communications, industrial and consumer applications, today announced new power amplifier modules (PAMs) that extend handset talk time for GSM/EDGE communication. The new [ACPM-7868](#) PAMs are fully compatible with Qualcomm's newest generation of chipsets that support linear quad-band GSM/EDGE operation, enabling improved power efficiency for the world's most widely-used cellular standard.

The new ACPM-7868 PAMs incorporate Avago's sixth generation CoolPAM(TM) technology, which enhances power efficiency with digital power mode control. Two mode control pins provide four power modes for low band and three power modes for high band. The technology delivers higher efficiency, resulting in extended talk time. At 29 dBm antenna power where talk time is measured, the technology enables a handset to save current consumption by more than 100 mA compared with conventional power amplifiers. It also reduces quiescent current down to 8.5 mA typically.

"Handset manufacturers are seeing strong demand for extended talk time of EDGE," said James Wilson, marketing director for RF and Microwave products at Avago. "Avago's new ACPM-7868 power amplifier modules use our proprietary CoolPAM technology to deliver better power efficiency and help meet these demands."

Avago's ACPM-7868 PAMs feature pre-distortion by chipset for improved linearity and efficiency. The modules incorporate 50 ohm matching networks for both RF input and output. The new power amplifiers are manufactured on advanced InGaP HBT (Hetero-junction Bipolar Transistor) technology with proven state-of-the-art reliability, temperature stability and ruggedness.

The ACPM-7868 modules are available in a compact 16-pin surface mount package with a 5- by 5-mm footprint. The package's 0.9-mm height supports slim handset designs. The devices are lead-free and RoHS compliant, and have a -20°C to +90°C case operating temperature range.

U.S. Pricing and Availability

Avago's ACPM-7868 GSM/EDGE PAMs are priced beginning at \$1.50 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 nearly 50 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com.

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Avago Technologies
Samer Bahou, +1-408-435-7400
Press Relations Manager
press.relations@avagotech.com