



Avago Technologies Announces New Family of Ultra-Low Power Optocouplers for Use in Optical Isolation Applications

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Innovative Design Will Enable the Next Generation of Energy Efficient Optical Isolators to Operate on 90 Percent Less Power

SAN JOSE, Calif. & SINGAPORE--(BUSINESS WIRE)--Sep. 23, 2009-- Avago Technologies (Nasdaq: AVGO) today announced that it has developed a new family of ultra-low power optocouplers that will pave the way for a new generation of optical isolators that can operate on approximately 90 percent less power than today's standard optocouplers. Utilizing a unique integrated circuit design and thick insulation material, Avago's innovative ACPL-M61L/061L/064L/W61L/K64L optocouplers offer a significant reduction in power requirements without compromising isolation and insulation performance. These digital optocouplers also provide good high voltage performance over the lifetime of the product while meeting the requirements of safe insulation for reinforced applications. This new optocoupler family targets designers of communication interfaces (RS485, CANBus, and I2C), microprocessor system interfaces, and digital isolation for A/D, D/A conversion applications. Avago is a leading supplier of analog interface components for communications, industrial and consumer applications.

Avago's ultra low power 10MBd digital optocouplers combine a high efficiency light emitting diode (LED) and an integrated high gain photo detector which results in low forward drive current (1.6 mA) that will enable designers to interface the optocoupler input directly from the microcontroller output – eliminating the use of buffers to drive the LED. Moreover, the use of the LED input with a faraday shielded photodetector circuit enables 'best in class' application level common mode noise immunity (35kV/μs typical). This optocoupler family supports both 3.3V and 5V supply voltages, and provide reliable system performance in industrial temperatures ranging from –40 to +105 degrees C.

The ACPL-M61L/061L/064L/W61L/K64L family integrates a feature similar to 'under voltage lock-out' that prevents output disruption during a power supply loss or system recovery. Additionally, the output of these optocouplers is designed with a slew-rate controlled feature to allow the voltage rise and fall times to be controlled over a wide range of load capacitances.

Key Features

- Low power consumption: 1.3mA/channel maximum I_{DD2} current
- Low input drive current capability: 1.6mA
- High dynamic and static CMR performance (35kV/μs typ.)
- Wide supply voltage range: 2.7 – 5.5V
- High speed: 10 Mbd
- Available in a variety of packages including multichannel small outline
- Safety approvals for reinforced insulation pending: IEC/EN/DIN EN 60747/UL 1577/CSA

Pricing and Availability

Avago's single channel APCL-M61L optocoupler comes in an SO-5 package and is available now. Pricing starts at \$1.00 in minimum quantities of 2,500. The ACPL-061L/064L (SO-8 package), ACPL-W61L (stretched SO-6 package) and ACPL-K64L (stretched SO-8 package) will be available by the end of March 2010. Samples and production quantities are available now through Avago's direct sales channel and worldwide distribution partners. More information on Avago's digital optocouplers can be found at www.avagotech.com/optocouplers.

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 SEC's website at <http://www.sec.gov>) discuss some of the important risk factors that may affect our business, results of operations, and financial condition.

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