Photo Release -- Avago Technologies Unveils New Gate Drive Optocouplers for High Switching Frequency Applications

May 13, 2013

Industry's Fastest 1A and 2.5A Gate Drive Optocouplers Supporting High Speed SiC MOSFET

SAN JOSE, Calif., and SINGAPORE, May 13, 2013 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, and industrial applications, today unveiled two new sets of high speed gate drive optocoupler devices, the ACPL-P/W345 and ACPL-P/W346. These devices are 1A and 2.5A gate drive optocouplers designed to protect and drive Power MOSFET and Silicon Carbide (SiC) MOSFET for high switching frequency applications such as inverter, motor control, and switching power supply (SPS). Compared to Avago's previous generation devices, the ACPL-P/W345 and ACPL-P/W346 are twice as fast in terms of propagation delay.

A photo accompanying this release is available at http://www.globenewswire.com/newsroom/prs/?pkgid=18671

High Speed Gate Drive Optocoupler Devices

Product Highlights

- 120ns Maximum Propagation Delay
- 2.5A Maximum Peak Output Current (ACPL-P/W346)
- 1.0A Maximum Peak Output Current (ACPL-P/W345)
- Rail-to-rail Output Voltage
- Under Voltage Lock-Out (ULVO) with Hysteresis
- 50kV/µs Minimum High Common Mode Rejection (CMR)
- Small Stretched SO6 Package Minimizing PCB Board Space and Cost

Avago will be showcasing the new ACPL-P/W345 and ACPL-P/W346 in the Avago Booth 7-266 at the PCIM Europe 2013 exhibition in Nuremberg, Germany from May 14th to 16th.

"Avago continues to bring value to customers by setting new standards for optocoupler performance," said Kheng-Jam Lee, marketing director of Avago's Isolation Products Division. "With the introduction of the ACPL-P/W345 and ACPL-P/W346, Avago is in the forefront of development of new high speed gate drive optocouplers capable of supporting SiC MOSFET for next-generation energy-efficient motor control and power conversion applications."

"We have evaluated Avago's ACPL-W346 driving our first and second generation SiC MOSFETs. The fast switching performance of this new gate driving solution achieves very high power conversion efficiency," said Paul Kierstead, Cree Director of Power Marketing. "More importantly, this solution provides customers with a cost effective and easily available gate driving solution for Cree's SiC MOSFETs."

Availability

Samples of the ACPL-P345, ACPL-W345, ACPL-P346, and ACPL-W346 and evaluation board are now available. Please contact your local Avago Technologies sales representative for pricing.

Further information on the ACPL-P345, ACPL-W345, ACPL-P346, and ACPL-W346 is available online at

http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_integrated_gate_drive_optocoupler/acpl-p345-000e/

http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_integrated_gate_drive_optocoupler/acpl-w345-000e/

http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_integrated_gate_drive_optocoupler/acpl-p346-000e/

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About Avago Technologies

Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, 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 including approximately 4,200 patents and pending applications, Avago products serve three primary target markets: wireless communications, wired infrastructure, and industrial and other. Avago has a global employee presence and heritage of technical innovation dating back 50 years to its Hewlett-Packard roots. For more information, visit Avago's website: www.avagotech.com.

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