



Avago Technologies Introduces New Family of Optocouplers in 14.2mm Wide Creepage and Clearance for High Voltage Applications

May 19, 2014

Industry's Highest Insulation Voltage Optocouplers in Compact SSO-8 Footprint

SAN JOSE, Calif. and SINGAPORE, May 19, 2014 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, and industrial applications, today announced a new family of 14.2mm optocoupler devices, the ACNT-Hxxx, designed for high voltage applications. The ACNT-Hxxx family consists of three major product series: the ACNT-H3xx, high efficiency gate drive optocouplers for driving IGBTs; the ACNT-H6xL, low power 10MBd digital optocouplers for system control and data communications; and the ACNT-H79x, high linearity isolation amplifiers for current and voltage sensing applications.

ACNT-Hxxx Highlighted Features and Benefits

- Safety Approvals for CSA, UL and IEC
 - IEC/EN/DIN EN 60747-5-5: $V_{IORM} = 2,262$ Vpeak
 - UL1577: $V_{ISO} = 7,500$ Vrms
 - Robust, reliable and fail safe reinforced insulation
- 14.2mm Creepage and Clearance
 - Industry's highest insulation voltage in compact 14.2mm SSO-8 package
 - Meets stringent system and equipment regulatory requirements
- High Gate Driving Current and Noise Immunity (ACNT-H3xx)
 - Minimum 2A output current for driving IGBT
 - Minimum 40kV/ μ s CMR at $V_{CM} = 1.5$ kV minimizing erroneous signals in driving IGBT in noisy environment
- Low Power Consumption (ACNT-H6xL)
 - Less than 20 mW
 - Industry's lowest power 10MBd optocoupler in compact 14.2mm SSO-8 package
- Excellent Linearity and Gain Accuracy (ACNT-H79x)
 - Advanced sigma-delta A/D modulation technology with full differential isolation
 - 0.05% linearity and -50ppm/ $^{\circ}$ C gain drift for enhanced accuracy

"High-voltage power systems today require chip-level components to support well insulated and noise-immune large signals to minimize copper wiring costs while maintaining optimal power efficiency," said Kheng-Jam Lee, marketing director of Avago's Isolation Products Division. "Avago has stepped up to the challenge with the introduction of a new 14.2mm optocoupler family. With the industry's highest insulation voltage in compact SSO-8 footprint, the ACNT-Hxxx is the most complete and cost-effective set of high-voltage optocoupler solutions on the market today addressing a wide range of high power industrial applications including inverters, motor drives and power supplies."

Avago will be showcasing the new ACNT-H313, ACNT-H61L and ACNT-H790 in the Avago Booth 6-220 at the PCIM Europe 2014 exhibition in Nuremberg, Germany from May 20th to 22nd.

Availability

Samples of the ACNT-H313, ACNT-H61L and ACNT-H790 are available now with expected general availability for the ACNT-H313 in June 2014, the ACNT-H61L in September 2014, and the ACNT-H790 in October 2014. Please contact your local Avago Technologies sales representative for samples and pricing.

Further information on the ACNT-H313, ACNT-H61L and ACNT-H790 are available online at http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_integrated_gate_drive_optocoupler/acnt-h313-000e/

http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_digital_optocoupler/10_mbd_logic_gate/acnt-h61l-000e/

http://www.avagotech.com/pages/en/optocouplers_plastic/plastic_miniature_isolation_amplifier/acnt-h790-000e/

About Avago Technologies

Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, digital, 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, Avago products serve four primary target markets: wireless communications, wired infrastructure, enterprise storage, and industrial and other. For more information, visit Avago's website: www.avagotech.com.

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