



Broadcom Unveils Industry's First 11mm SSO-8, 5A/3A Gate Drive Optocouplers for High Voltage Industrial Drives and Inverters

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SAN JOSE, Calif., and SINGAPORE, Nov. 08, 2016 (GLOBE NEWSWIRE) -- Broadcom Limited (NASDAQ:AVGO), a leading designer, developer and global supplier of a broad range of analog and digital semiconductor connectivity solutions, today announced a new family of 5A and 3A gate drive optocoupler devices, the Avago ACNU-3430 and ACNU-3410, respectively. The devices are the first 5A and 3A gate drive optocouplers offered in the 11mm SSO-8 package for high voltage, space constrained industrial applications including 600V_{AC} motor drives and 1kV_{DC} solar inverters. The new package platform features wide creepage and clearance, high insulation voltage and a compact package footprint, providing enhanced high voltage protection and signal isolation in tight spaces.

In comparison with the market-proven Avago HCNW3120 gate drive optocoupler offered in the 400mil DIP-8 package, the ACNU-3430 and ACNU-3410 are 40% smaller in size and have higher peak output current and wider creepage and clearance. The new devices have higher common mode transient immunity (CMTI) exceeding 100 kV/ μ s to help prevent erroneous gate driver failures in harsh, electrically noisy environments. Furthermore, the new devices have one third (1/3) the propagation delay, enabling high frequency switching to improve efficiency in driving IGBT and SiC/GaN MOSFET.

"Our latest addition of 5A and 3A gate drive optocouplers in the 11mm SSO-8 package provides enhanced performance and reliability for industrial drives and inverters," Tze Siong Chong, vice president and general manager of the Isolation Products Division at Broadcom. "We are particularly excited about the launch of our new 11mm package platform. As customer requirements for high voltage protection and signal isolation become more stringent, this new package platform will enable Broadcom to better address high voltage, space constrained applications with a variety of optocoupler offerings."

Broadcom will showcase the ACNU-3430 and ACNU-3410 in the Broadcom Booth #446 Hall A4 at the Electronica 2016 exhibition in the Messe Muenchen International (MMI), Munich, Germany from November 8th to 11th.

Product Highlights

- 5A Maximum Peak Output Current [ACNU-3430]
- 3A Maximum Peak Output Current [ACNU-3410]
- High CMTI: > 100kV/ μ s
- Propagation Delay: 70 ns typical
- 11mm Creepage and 10.5mm Clearance
- UVLO with V_E Reference for Bi-directional Power Supply
- Worldwide Safety Approvals:
 - IEC/EN/DIN EN 60747-5-5, V_{IORM} = 1,414 V_{PEAK}
 - UL 1577, V_{ISO} = 5,000 V_{RMS} for 1 minute
 - CSA Component Acceptance Notice 5

Availability

Samples and production quantities of the ACNU-3430 and ACNU-3410 are available next month through the Broadcom direct sales channel and via worldwide distribution partners. Please contact your local Broadcom sales representative for samples and pricing.

Further information on the ACNU-3430 and ACNU-3410 is available online at

<http://www.avagotech.com/products/optocouplers/industrial-plastic/isolated-gate-drive-optocouplers/gate-drives/acnu-3430-000e>

<http://www.avagotech.com/products/optocouplers/industrial-plastic/isolated-gate-drive-optocouplers/gate-drives/acnu-3410-000e>

About Broadcom Limited

Broadcom Limited is a leading designer, developer and global supplier of a broad range of analog and digital semiconductor connectivity solutions. Broadcom Limited's extensive product portfolio serves four primary end markets: wired infrastructure, wireless communications, enterprise storage and industrial & other. Applications for our products in these end markets include: data center networking, home connectivity, broadband access, telecommunications equipment, smartphones and base stations, data center servers and storage, factory automation, power generation and alternative energy systems, and displays. For more information, go to www.broadcom.com.

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