



Photo Release -- Avago Technologies Introduces New Series of Reflective Optical Encoders for Low Power Miniaturized Motion Control Systems

July 7, 2014

Industry's Smallest 3-Channel Reflective Optical Encoder Solution Featuring Low Supply Voltage Option, Dual Analog/Digital Output Options and High Encoding Resolution

SAN JOSE, Calif., and SINGAPORE, July 7, 2014 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, and industrial applications, today announced a new series of 3-channel reflective optical encoder devices, the AEDR-87xx. The devices are ideal for use in low power miniaturized motion control systems such as stepper motors, electrical actuators, piezoelectric drives and portable medical appliances.

A photo accompanying this release is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=26320>

Expanding upon previous generation devices, the new AEDR-87xx with encoding resolution up to 318 lines per inch (LPI) supports 3.3V and 5V supply voltage for low power applications and dual analog outputs interfacing directly with external interpolator for high precision motion control measurements. The devices are packaged in industry's smallest form factor for 3-channel reflective optical encoder.

AEDR-87xx Product Highlights

- 3 Channel Outputs Including One Index Digital Output
 - Dual Channel Digital Outputs (AEDR-871x)
 - Dual Channel Analog Outputs (AEDR-872x)
- Built-in Interpolator for 4x, 8x and 16x Interpolation (AEDR-871x)
- Built-in Automatic LED Current Regulation
- Encoding Resolution: 318 LPI (up to 1.25um pitch)
- Power Supply Voltage: 3.3 or 5 V (AEDR-871x), 5 V (AEDR-872x)
- Operating Temperature Range: -20 to +85 °C
- Compact Size: 3.95 mm (L) x 3.4 mm (W) x 0.956 mm (H)

 [Avago AEDR-87xx 3-Channel Reflective Optical Encoders](#)

Avago AEDR-87xx 3-Channel Reflective Optical Encoders

"Reflective optical encoder technology is vital to many miniaturized motion control systems. As modern appliances get smaller in size and consume less power, so too are the critical components such as a motion control encoder embedded inside many of these appliances," said Hassan Hussain, vice president and general manager of the Motion Control Product Division (MCPD) at Avago. "Avago's latest AEDR-87xx is the best-in-class reflective optical encoder solution with added flexibility addressing a wide range of design challenges for modern miniaturized motion control systems."

Pricing and Availability

The AEDR-8710 and AEDR-8723 are priced starting at \$15 and \$22 USD, respectively, each in 10,000 piece quantities. Samples and production quantities are available now through the Avago direct sales channel and via worldwide distribution partners.

Further information on the Avago AEDR-8710 and AEDR-8723 devices are available online at

http://www.avagotech.com/pages/en/motion_control_encoder_products/incremental_encoders/reflective_encoders/aedr-871x/

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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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CONTACT: Press Contact:

Khanh Lam

Corporate Communications

press.relations@avagotech.com

Telephone: +1 408 435 4570

[company logo](#)