Photo Release -- New Avago Industrial Fiber Receivers Deliver 50 MBaud Links for Power Systems, Smart Grid, and Industrial Automation

November 29, 2012

Integrated Receiver IC Reduces Power and Component Count 80%

SAN JOSE, Calif., and SINGAPORE, Nov. 29, 2012 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, and industrial applications, today announced the availability of production volumes of a family of 50MBd - 820nm integrated fiber optic receivers for communication and control networks within power substation, smart grid and industrial automation applications.

A photo accompanying this release is available at http://www.globenewswire.com/newsroom/prs/?pkgid=15994

Avago Technologies Photo

Traditional 5MBd optical networks are no longer fast enough for substation automation and smart grid implementation. More control data and equipment need to be connected within the network requires higher bandwidth components to ensure reliability and safety, therefore equipment manufacturers are looking towards 50MBd links, but existing solutions require many external components. This new receiver provides the desired 50MBd link speed while integrating external receiver IC functions into the fiber optic receiver, saving one external IC and 18 discrete components.

AFBR-24x9xZ is designed to provide cost effective and high performance fiber optic communication links with industry-leading EMI resistance by utilizing state-of-the-art technology that has an integrated photodiode with digitalizing IC on the same silicon chip. The fiber optic receiver part is designed to operate with fiber optic transmitters HFBR-14xxZ and HFBR-1712TZ with link distances of up to 3km on multimode glass fiber cable. AFBR-24x9xZ is directly compatible with popular industry-standard ST and SMA connectors and it operates from 100kBd up to 50MBd of transmission signal. With this operating frequency range, this product can be used for implementing proprietary fiber optic transmission system up to 50MBd and 10Base-FL.

AFBR-24x9xZ has made the system engineer's job easier with such integration of photodiode and digitalizing IC. This is because it saves more than 75% of components used in similar application and provides excellent EMC performance. It also consumes less than 20% of the total power dissipation when comparing to the existing solution for 10Base-FL application in the market. AFBR-24x9xZ is equipped with RSSI (Received Signal Strength Indication) feature that indicates the signal strength of the incoming optical signal for diagnostic function.

AFBR-24x9xZ Product Family

Part Number	*Description*
AFBR-2409Z	Receiver with SMA port
AFBR-2419Z	Receiver with ST port
AFBR-2419TZ	Receiver with threaded ST port
AFBR-2419MZ	Receiver with metal ST port

U.S. Pricing and Availability

Samples and production quantities of the AFBR-24x9xZ industrial fiber receivers are available now through the Avago direct sales channel and via worldwide distribution partners. For pricing, contact your local Avago sales representative or distributor.

Further information on Avago fiber optics is available online at www.avagotech.com/pof

About Avago Technologies

Avago Technologies is a leading supplier of analog interface components for wireless, wireline, and industrial 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 three diverse end markets: wireless communications, wired infrastructure, industrial and automotive electronics. Avago has a global employee presence and heritage of technical innovation dating back 50 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com.

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