



Avago Technologies Introduces New Robust Fiber Optic Links for Harsh Temperature Environments

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New Versatile Link Series Modules Deliver Reliable Data Transmission in Extended Industrial Temperature Range for Renewable Energy, Transportation and Other Industrial Applications

MUNICH, Nov 09, 2010 (BUSINESS WIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for communications, industrial and consumer applications, today announced a new line of optical fiber transmitters and receivers optimized for harsh temperature environments, here at the Electronica 2010 trade fair. The [HFBR-152xETZ/252xETZ](#) optical fiber modules provide reliable data transmissions over cost-effective plastic or silica fiber in the -40 to +85° C extended industrial temperature range. Designers can use the devices to implement system control or drives in wind turbines and solar farms, traction inverters in trains, and for other industrial applications and medical systems.

An extension of the Avago Versatile Link series, the new modules eliminate the electromagnetic interference, crosstalk, and electrical ground problems that are common with copper wire solutions, while also providing easier, more flexible installation. The HFBR-152xETZ transmitters are based on a high-power, 650-nm LED that is easy to drive and modulate. The transmitters operate at speeds from 1-125 MBd over distances up to 100 meters. The HFBR-252xETZ high-bandwidth receivers contain a PIN photodiode and internal transimpedance amplifier. The modules come in plastic housing that interlock for single-channel or duplex links in a horizontal mount configuration, providing flexibility to designers during PCB layout.

"The addition of these new Versatile Link series modules with extended temperature range operation is based directly on requests from our customers in the rapidly growing renewable energy and transportation markets," said Mickael Marie, marketing manager for industrial fiber products at Avago. "With best-in-class electromagnetic compatibility performance and ease-of-use, Avago optical fiber modules have become the de-facto industry-standard for industrial applications."

Avago is exhibiting the HFBR-152xETZ/252xETZ modules along with a wide range of its isolation, fiber optics, motion control and LED products for the industrial and automotive markets at Electronica 2010 in Hall A4 booth 458 at the New Munich Trade Fair Centre from November 9-12.

Additional HFBR-152xETZ/252xETZ Product Features

- Compatible with 1-mm diameter plastic optical fiber and 200 m hard-clad silica fiber
- RoHS-compliant
- Transmitter and receiver application circuit schematics and recommended board layouts available

U.S. Pricing and Availability

The [HFBR-1527ETZ](#) transmitter and [HFBR-2526ETZ](#) analog receiver are designed for transmissions from 1 to 125 MBd. The [HFBR-1521ETZ](#) transmitter and [HFBR-2521ETZ](#) digital receiver transmit from DC to 5 MBd, and the [HFBR-1522ETZ](#) transmitter and [HFBR-2522ETZ](#) digital receiver transmit from DC to 1 MBd.

Pricing for the HFBR-1521ETZ transmitter begins at \$5.06 each in 200 piece quantities, and the HFBR-2521ETZ receiver also begins at \$5.06 each in 200 piece quantities. Samples and production quantities are available now through the Avago direct sales channel and via worldwide distribution partners.

About Avago Technologies

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

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Samer Bahou, +1 408-435-7400

Press Relations Manager

press.relations@avagotech.com