



Photo Release -- Avago Technologies Introduces Compact 100Gbps TOSA and ROSA for CFP4 Transceivers

March 6, 2014

Industry's First Optical Engines for New CFP4 Transceiver Form Factor

SAN JOSE, Calif. and SINGAPORE, March 6, 2014 (GLOBE NEWSWIRE) -- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for wireless, wireline, and industrial applications, today announced the availability of a new series of 100GbE-LR4 transmit optical subassembly (TOSA) and receive optical subassembly (ROSA) devices, the AFCP-T4X25EL and AFCP-R4X25PL, respectively. This new series of devices is designed for use in the new CFP4 optical transceiver form factor enabling carrier grade transmission over fiber links of up to 10 km. These highly compact TOSA and ROSA devices expand Avago's growing portfolio of optical component solutions leveraging monolithic and hybrid photonic integrated circuit technologies to enable next generation high-density router and switch applications.

A photo accompanying this release is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=23884>

The AFCP-T4X25EL TOSA delivers four wavelengths on the LAN-WDM grid in the 1300nm wavelength window on a single optical output. The TOSA integrates four high performance 28Gbps electro-absorption modulated lasers (EMLs) and an optical multiplexer to combine the laser wavelengths. The AFCP-R4X25PL ROSA integrates an optical de-multiplexer to separate the four incoming LAN-WDM wavelengths, an array of four high performance 28Gbps PIN photo-detectors, and a quad trans-impedance amplifier.

Product Highlights

- Compact Size
 - TOSA: Footprint = 23.7 mm x 6.0 mm, Height = 6.7 mm
 - ROSA: Footprint = 24.0 mm x 5.9 mm, Height = 5.6 mm
 - Ideal for CFP4 and CFP2 Transceiver Form Factors
- Low Power Dissipation
 - TOSA (TEC Power Consumption) = 1.5 Watt max
 - ROSA = 0.5 Watt max
- Pout > -1.3dBm OMA (per channel)
- Receiver Sensitivity < -8.6dBm OMA (per channel)
- Compliant with 100GBASE-LR4 (10km) Application per IEEE 802.3ba Standard
- Packaged in Hermetic, Planar Packages with LC Receptacle Optical Interface and Two Flex Connects for Electrical Interface



Avago AFCP-T4X25EL and AFCP-R4X25PL

"The development of these new optical engines reinforces Avago's continued commitment to providing advanced optical component solutions to enable more compact transceiver solutions for higher-density links while lowering system power consumption for next generation networks," said Stefan Rochus, Director of Optical Components Product Marketing at Avago Technologies. "This new series of TOSA/ROSA devices is ideally suited for the new CFP4 optical transceiver form factor that has gained industry-wide adoption for 100GbE-LR4 interfaces."

Avago will be showcasing the new TOSA and ROSA devices in the Avago booth 3160 at the OFC 2014 exhibition in San Francisco, California from March 11th to 13th.

Availability

Samples of the AFCP-T4X25EL and AFCP-R4X25PL are now available with general product availability targeted for August 2014. Please contact your local Avago Technologies sales representative for pricing.

Further information on the AFCP-T4X25EL and AFCP-R4X25PL are available online at

http://www.avagotech.com/pages/en/fiber_optics/optical_components/photonic_ic_components/afcp-t4x25el/

http://www.avagotech.com/pages/en/fiber_optics/optical_components/photonic_ic_components/afcp-r4x25pl/

About Avago Technologies

Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, 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 three primary target markets: wireless communications, wired infrastructure, and industrial and other. Avago has a global employee presence and heritage of technical innovation dating back 50 years to its Hewlett-Packard roots. For more information, visit Avago's website: www.avagotech.com.

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