

The New Oclaro Tunable 100G DWDM CFP Transceiver Delivers a 2.5X Improvement in Spectral Efficiency

Industry's First Cost-Efficient 100G Tunable CFP Transceiver Meets the Requirements for the Metro and Long-Haul Markets

SAN JOSE, Calif., Feb. 29, 2012 /PRNewswire/ -- Oclaro, Inc. (NASDAQ: OCLR), a tier-one provider and innovator of optical communications and laser solutions, today announced a new cost-efficient tunable DWDM (Dense Wavelength Division Multiplexing) pluggable transceiver module that utilizes 4x28G wavelengths to deliver a 2.5 times improvement in spectral efficiency over competing 10G solutions. Spectral efficiency, which refers to the amount of optical spectrum required to transmit at a given data rate, has become increasingly important in metro, point-to-point and data center applications where high-capacity network links are needed for reaches up to 600 kilometers. The new Oclaro tunable CFP transceiver, which is being unveiled at next week's OFC/NFOEC show in the Oclaro booth #1957 & 2058, not only provides the performance boost customers need in spectral efficiency, but also meets the low cost and power consumption requirements of these applications.

The new Oclaro transceiver is based on a direct-detection ODB (Optical Duobinary) modulation format which complements Oclaro's line of 100G coherent transponder solutions. Direct detection, which utilizes standard low cost components, delivers significant reductions in cost and power consumption and is ideally suited to address the needs of the growing 100G metro and long-haul markets. With solutions for both formats, Oclaro is well positioned in the exploding 100G DWDM market which analyst firm Ovum expects will grow beyond \$1 billion for the line side alone by 2014.

"By delivering an expansive line of 100G solutions for the core optical network, Oclaro is able to meet the evolving needs of our customers when it comes to cost, performance, spectral efficiency, and power consumption," said Jim Haynes, President and General Manager of the Oclaro Photonic Components Business Unit. "Many of our customers are managing legacy networks alongside new 100G systems, and they can rely on Oclaro to help them continually maintain a competitive lead in the market with a broad set of products across multiple modulation schemes."

About the New DWDM Transceiver

The new module is the industry's first tunable 100G DWDM CFP transceiver, and represents an alternative to coherent 168-pin MSA transponders to address less demanding shorter reach applications in a more cost-efficient manner. The new transceiver is available as a grid-tunable solution and as a fully-tunable solution for maximum flexibility. Oclaro is also planning to offer MLSE (maximum likelihood sequence estimation) on the receiver as a configuration option to enhance the performance of the module by extending CD tolerance and widening the input range of the receiver. The new transceiver incorporates key technologies from Oclaro's established product lines such as the ILMZ (Integrated Laser Mach Zehnder) used in the T-XFP products.

Availability

Oclaro plans to sample key customers in mid-2012, with a production launch scheduled for the end of 2012.

About Oclaro

Oclaro, Inc. (NASDAQ: OCLR) is a tier-one provider and innovator of optical communications and laser components, modules and subsystems for a broad range of diverse markets, including telecommunications, industrial, scientific, consumer electronics and medical. Oclaro is a global leader, dedicated to photonics innovation with cutting-edge research and development (R&D) and chip fabrication facilities in the U.S., U.K., Switzerland, Israel, Korea and Italy, and in-house and contract manufacturing sites in China and Thailand with design, sales and service organizations in each of the major regions around the world. www.oclaro.com.

Copyright 2012. All rights reserved. Oclaro, the Oclaro logo, and certain other Oclaro trademarks and logos are trademarks and/or registered trademarks of Oclaro, Inc. or its subsidiaries in the US and other countries. All other trademarks are the property of their respective owners. Information in this release is subject to change without notice.

