



March 13, 2018

Finisar Introduces Industry's Smallest Coherent Optical Assembly for High-Density Line Card and Transceiver Designs at OFC 2018

First Live Demonstration of a Fully Integrated, Miniature Coherent Transmitter and Receiver Assembly

SUNNYVALE, Calif., March 13, 2018 (GLOBE NEWSWIRE) -- Finisar (NASDAQ:FNSR) today introduced a new product family, complementing its line of coherent components and ACO (Analog Coherent Optics) transceivers. This family, called the Integrated Tunable Transmitter and Receiver Assembly (ITTRA), is the industry's smallest fully integrated coherent optics assembly. It is designed for easy customer integration into coherent line cards or DCO (Digital Coherent Optics) transceivers, enabling customers to accelerate their time to market and reduce program and development costs. The ITTRA will be demonstrated at OFC from March 13-15 at the San Diego Convention Center in Finisar's booth #3713.

In a footprint that is 70% smaller than the size of a CFP2 module, the ITTRA provides the same functionality as a CFP2-ACO. All key building blocks of an ACO interface (tunable laser, optical amplifier, modulators, drivers, coherent mixer, photodiode array, and TIAs) are incorporated in a single optical sub-assembly, which is combined with a miniature controller board that provides customers a standardized management interface. Since the ITTRA is a fully calibrated and tested assembly instead of a disaggregate set of components, it yields operational cost savings for the line card or module integrator because test times of the end product are greatly reduced.

"Customers that have previewed this product acknowledge the exceptional level of integration achieved in Finisar's ITTRA, and we have a tremendous amount of interest in this product due to its performance, compact footprint, and low power dissipation," said John DeMott, Senior Director of Marketing at Finisar. "A turn-key solution like the ITTRA, greatly reduces the development effort for the line card or module integrator, allowing them to rapidly respond to new market opportunities."

The demonstration at OFC 2018 shows the 32Gbaud ITTRA transmitting and receiving data at 200 Gb/s using DP-16QAM modulation. The product will be sampling in the second quarter of 2018.

In addition, Finisar is demonstrating the WaveShaper® A Series of Programmable Optical Processors with the newly released WaveShaper App revision 1.3. This software supports arbitrary power splitting on up to 16 ports with ratios of up to 100 to 1. Finisar will also provide a technology demonstration of a WaveShaper processor covering the extended C+L band with a total wavelength range larger than 100 nm. Arbitrary filtering of attenuation and phase is supported across the entire range.

About Finisar

Finisar Corporation (NASDAQ:FNSR) is a global technology leader for fiber optic subsystems and components that enable high-speed voice, video and data communications for telecommunications, networking, storage, wireless, and cable TV applications. For more than 25 years, Finisar has provided critical optics technologies to system manufacturers to meet the increasing demands for network bandwidth and storage. Finisar is headquartered in Sunnyvale, California, USA with R&D, manufacturing sites, and sales offices worldwide. For additional information, visit www.finisar.com.

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