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EMCORE Introduces 1550 nm DOCSIS 3.1 DWDM DFB Laser Module for CATV Applications

ALBUQUERQUE, N.M., March 20, 2014 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optics and space solar power markets, announced today the release of the 1752A 1550 nm DOCSIS 3.1 DWDM DFB Laser Module for CATV (Cable Television) applications. The new 1752A is the latest model in EMCORE's 1550 nm QAM laser platform and is fully compliant with the new DOCSIS 3.1 standard, supporting operational bandwidth up to 1.2 GHz.

DOCSIS (Data Over Cable Service Interface Specification) is the standard that facilitates the addition of high-speed data transfer over existing CATV systems for internet access through cable television services. DOCSIS 3.1 is the latest version and is designed to deliver several new benefits to cable companies including greater capacity and speed. It allows for up to 50 percent more data throughput over the same spectrum to deliver up to 10 Gbps downstream and 1 to 2 Gbps upstream. DOCSIS 3.1 also decreases the cost-per-bit for data delivery by improving the efficiency of spectrum use, and it increases the energy efficiency of cable modems.

The 1752 laser platform has been designed specifically for CATV applications and the latest DOCSIS 3.1 standard. It features 1.2 GHz operational bandwidth with low adiabatic chirp to maximize signal quality in short and long lengths of fiber. The 1752A is available in a wide range of ITU grid wavelengths and operates over an industrial temperature range. The laser's excellent inherent linearity minimizes degradation of broadcast signals caused by Quadrature Amplitude Modulated (QAM) channels.

"We are very pleased to introduce our first DOCSIS 3.1 laser module bringing EMCORE's leading-edge highly-linear DFB laser technology to the latest standard in the CATV industry," said Jaime Reloj, Vice President of Business Development for EMCORE. "The 1752A DOCSIS 3.1 laser is a key enabling component allowing our customers to provide fully DOCSIS 3.1 compliant systems," added Reloj.

All EMCORE lasers utilize the highly-linear, directly-modulated DFB technology which has become synonymous with the highest-quality, high-speed photonics that drove the wide-scale deployment of fiber optics in CATV networks, satellite earth stations and mobile phone antenna sites. EMCORE's new 1752A laser module extends that heritage of performance and reliability to today's DOCSIS 3.1 standard.

About EMCORE

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the fiber optics and space solar power markets. EMCORE's Fiber Optics business segment provides optical components, subsystems and systems for high-speed telecommunications, Cable Television (CATV) and Fiber-To-The-Premise (FTTP) networks, as well as products for satellite communications, video transport and specialty photonics technologies for defense and homeland security applications. EMCORE's Solar Photovoltaics business segment provides products for space power applications including high-efficiency multi-junction solar cells, Covered Interconnect Cells (CICs) and complete satellite solar panels. For further information about EMCORE, visit <http://www.emcore.com>.

Forward-looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding EMCORE's expectations, goals or intentions, including, but not limited to, financial performance, production schedules, expected customer sales, product features and their benefits, product quality and product performance. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about EMCORE and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements. Risks and uncertainties that could cause EMCORE's actual results to differ from those set forth in any forward-looking statement are discussed in more detail in EMCORE's SEC filings available at www.sec.gov, including under the headings "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations." Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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