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EMCORE Introduces Erbium Doped Fiber Amplifiers for the Optiva Platform Expanding System Capabilities Over Greater Distances

ALBUQUERQUE, N.M., March 12, 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 introduction of the Optiva OTS-2O and OTS-2OP Series Erbium Doped Fiber Amplifier and pre-Amplifier modules, which are designed for a wide variety of extended long-haul signal transport applications.

The Optiva Erbium Doped Fiber Amplifier (EDFA) and pre-Amplifier are ideal building blocks for system integrators to extend fiber optic links beyond 100 km. They are designed to meet the most demanding noise performance requirements of fiber optic communications and control systems, while performing all the functions required of optical amplifiers for system integration. These new EDFA modules are available with optical output powers of 14, 17, 20 and 23 dBm.

Applications for the new Optiva EDFA series include long distance RF and microwave fiber optic communications links, CATV systems and FTTx networks, high-performance supertrunking links, high power distribution networks, sensing and control systems and redundant ring architectures.

The Optiva OTS-2O Series EDFA modules provide input and output optical isolation for stable, low-noise operation. The input and output optical signal power levels are detected for monitoring and control. The input optical signal is amplified with active gain control for a constant output power level, or with active output power control for constant gain mode operation. In the Optiva OTS-2OP EDFA pre-Amplifier, the very low level input optical signal is initially pre-amplified, then amplified with active output power control for constant power mode operation and the output optical signal power levels are detected for monitoring and control.

"The integration of the Optiva OTS-2O and OTS-2OP Series EDFA modules with the Optiva family of 1550 nm fiber optic transport equipment, provides a complete solution that extends the reach of fiber links for a wide range of applications," said Frank Weiss, EMCORE's Vice President of Advanced Systems.

Key features of the new Optiva OTS-2O and OTS-2OP Series EDFA include low noise and low power consumption, standard and optional gain flatness (OTS-2O), along with local and remote monitors and alarms for all critical operating parameters via SNMP and EMCOREView GUI. In addition, the optical output can be split into multiple ports by optional external splitter. The OTS-2O and OTS-2OP Series EDFA fit Optiva 16, 6- and 2-slot enclosures and are RoHS compliant.

EMCORE will debut its new Optiva OTS-2O and OTS-2OP Series EDFA modules at Satellite 2014 at the Walter E. Washington Convention Center in Washington, DC in booth #6089. For more information on EMCORE's Optiva OTS-2O and OTS-2OP Series EDFAs, visit <http://www.emcore.com/optiva-edfa>.

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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