December 11, 2012

EMCORE Announces Release of Optiva Satcom Band Microwave Fiber Optic Transmitters and Receivers

ALBUQUERQUE, N.M., Dec. 11, 2012 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optic and solar power markets, today announced the availability of the Optiva Satcom Band Microwave Fiber Optic Transmitters and Receivers for satellite communications, RF antenna remoting and other high-dynamic range microwave applications.

These new products supplement the existing EMCORE Optiva Ultra-Wideband RF Fiber Optic Transport System by adding band-specific C, X, Ku, or Ka transmitter and receiver modules compatible with EMCORE's modular or flange-mount Optiva Platform configurations. The addition of the Optiva Satcom Band RF Fiber Optic Transport System further expands the existing Optiva Platform that already supports 50 MHz to 18, 22 or 40 GHz broadband microwave transport, reference oscillators, IRIG, IF, L & S-band, plus audio, video, data and Ethernet, making it one of the most universal platforms in the industry.

"The Optiva Satcom Band RF Fiber Optic Transport System represents a significant breakthrough in microwave transmission technology from EMCORE," said Frank Weiss, Vice President of EMCORE's Advanced Systems Division. "By leveraging our existing ultra-wideband 50 MHz — 40 GHz Optiva products as building blocks, EMCORE is able to provide high-performance externally modulated RF-banded technology at directly modulated technology price points. Additionally, these new products support multiple format frequency transport in a single flexible platform for C, X, Ku, and Ka-band applications."

Utilizing EMCORE's high-performance ultra-low Relative Intensity Noise (RIN) source laser technology and high optical input power capable photodiodes, the Optiva Satcom Band RF Fiber Optic Transport System provides a high-dynamic range of > 110 dB-$Hz^{2/3}$. The system features microprocessor-based transmitter and receiver control for laser and modulator bias, plus variable RF link gain which provides consistent high-performance and constant gain operation.

The standard Optiva transmitter provides a high power optical output and operates at a nominal wavelength of 1550 nm. Wavelength selected lasers on the ITU grid are also available to support multichannel DWDM applications. Additional advanced capabilities include Simple Network Management Protocol (SNMP) V.1, optical and RF amplification options, and RS-232 monitor & control with flexible user interface options.

About EMCORE

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the fiber optics and 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.

CONTACT: EMCORE Corporation

Frank Weiss

Vice President, Advanced Systems

(215) 259-2400

frank_weiss@emcore.com

TTC Group

Victor Allgeier

(646) 290-6400

vic@ttcominc.com