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EMCORE Introduces New DFB Laser Modules for Wireless and Distributed Antenna System Applications

ALBUQUERQUE, N.M., June 3, 2013 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optics and solar power markets, announced today that it has introduced two new Distributed Feedback (DFB) laser modules designed for analog wireless and Distributed Antenna System (DAS) applications. The new 1764 1550 nm C-Band DWDM and 1615 1310 nm DFB Laser Modules will be previewed at ANGACOM, June 4-6 at the Cologne Germany Fairgrounds by EMCORE and EQ Photonics in hall 10.2, stand D038.

The increasing demands on wireless networks from social media, texting, email, and uploading and downloading of applications, music, videos and photos is creating greater and greater need for deployment of cost-effective, integrated wireless DAS systems. Both the new 1764 and 1615 Series laser modules are designed, tested and optimized specifically to support highly-linearized wireless applications. These lasers are matched to 50 Ohm systems typical of wireless networks and have a wide operating temperature range of -40°C to +85°C for reliable performance in harsh node environments and narrow transmitter designs. Both models have bandwidth up to 2.7 GHz.

The 1764 1550 nm C-Band DWDM Laser Module features low adiabatic chirp to maximize signal quality over both short and long fiber lengths. The laser's superior linearity minimizes degradation of the broadcast signals caused by distortions and non-linear effects. The 1764 is available in all C-Band ITU grid wavelengths. The 1615 1310 nm DFB Laser Module also delivers superior linearity and supports fiber lengths up to 10 km without dispersion issues.

"We are seeing a growing market opportunity for adaptation of our highly-linear DFB laser technology for specialized wireless and DAS applications," said Jaime Reloj, Vice President of Business Development for EMCORE. "Wireless systems providers are building systems in subway tunnels, massive stadiums, high-speed trains and cruise ships. Our new DFB lasers for wireless applications integrate extremely well into these systems, enhancing bandwidth to help enable the delivery of consistent, reliable WiFi signals in areas where interference is high, or signals are normally weak," said 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 1764 and 1615 DFB lasers extend that heritage of performance and reliability to today's demanding DAS applications and are compatible with the 4G LTE (Long-Term Evolution) standard for wireless high-speed data communications over mobile devices.

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.

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