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EMCORE Introduces 6.5 GHz Bandwidth Laser Modules for Next-Generation Wireless and Distributed Antenna System Networks

ALHAMBRA, Calif., March 21, 2017 (GLOBE NEWSWIRE) -- EMCORE Corporation (NASDAQ:EMKR), a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems, announced today the introduction of the 1618A and 1718A, 6.5 GHz Ultra-Linear Distributed Feedback (DFB) Laser Modules. These new wide bandwidth laser modules are designed and optimized for next-generation Wireless and Distributed Antenna System (DAS) applications. EMCORE will debut the new 1618A and 1718A laser modules at OFC 2017, booth #3407, March 21-23 at the Los Angeles Convention Center, Los Angeles, CA.

The increasing demands on wireless networks from social media, text, email, uploading and downloading of apps, music, videos and photos are creating greater demand for deployment of wireless systems. Network providers are building DAS systems in subway tunnels, massive stadiums, high-speed trains and other public environments. The new 1618A, 1310 nm and 1718A, 1550 nm DFB ultra-linear lasers are designed specifically to target these systems, enhancing bandwidth and signal integrity to enable the delivery of consistent, reliable wireless signals where interference is high, or signals are normally weak. The 1618A and 1718A laser modules are packaged in EMCORE's classic 14-pin butterfly cooled laser form-factor that delivers highly-linear and superior optical performance over an enhanced temperature range of -40°C to +85°C. These lasers are matched to 50 Ohm systems typical of wireless networks.

"EMCORE's laser technology is world renowned and with these new models we continue to raise the performance bar in linear laser modules for the advanced communications networks," said Dr. Henry Cheung, EMCORE's Senior Product Director. "With bandwidth up to 6.5 GHz, the 1618A and 1718A deliver maximum high-speed signal integrity for Wireless and DAS networks, and long distance fiber optic links," added Dr. Cheung.

In addition to the new 1618A and 1718A lasers, EMCORE has re-launched its 1742, 1550 nm Microwave DFB Laser Module with upgraded bandwidth from 13 GHz to 18 GHz. The 1742 provides exceptional performance for linear fiber optic communications in very wide bandwidth applications including military communications, antenna remoting, telemetry, timing, reference signal distribution, measurement and delay lines. The 1742 laser module can be integrated into a complete transmitter either as a flange-mount for extreme environments, or as a plug-in for EMCORE's rack-mount systems.

For more information on the new 1618A, 1718A and 1742 laser modules, and our complete line of optical chips and components, please visit us at OFC 2017, booth #3407, or at www.emcore.com. EMCORE will be meeting with customers, industry analysts and the media during the show, and invite you to contact us if you would like to schedule a meeting.

About EMCORE

EMCORE Corporation is a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems. Our optical chips, components, subsystems and systems enable broadband and wireless providers to continually enhance their network capacity, speed and coverage to advance the free flow of information that empowers the lives of millions of people daily. The *Mixed-Signal Optics* technology at the heart of our broadband transmission products is shared with our fiber optic gyros and military communications links to provide the aerospace and defense markets state-of-the-art systems that keep us safe in an increasingly unpredictable world. EMCORE's performance-leading optical components and systems serve a broad array of applications including cable television, fiber-to-the-premise networks, telecommunications, wireless infrastructure, satellite RF fiber links, navigation systems and military communications. EMCORE has fully vertically-integrated manufacturing capability through its world-class Indium Phosphide (InP) wafer fabrication facility at our headquarters in Alhambra, California and is ISO 9001 certified in Alhambra, and at our facilities in Warminster, Pennsylvania and China. For more information, please visit 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 plans, strategies, business prospects, growth opportunities, changes and trends in our business and expansion into new markets. 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, including without limitation, the following: (a) the rapidly evolving markets for EMCORE's products and uncertainty regarding the development of these markets; (b) EMCORE's historical dependence on sales to a limited number of customers and fluctuations in the mix of products and customers in any period; (c) delays and other difficulties in commercializing new products; (d) the failure of new products: (i) to perform as expected without material defects, (ii) to be manufactured at acceptable volumes, yields, and cost, (iii) to be qualified and accepted by our customers, and (iv) to successfully compete with products offered by our competitors; (e) uncertainties concerning the availability and cost of commodity materials and specialized product components that we do not make internally; (f) actions by competitors; and (g) other risks and uncertainties discussed under Item 1A - Risk Factors in our Annual Report on Form 10-K for the fiscal year ended September 30, 2015, as updated by our subsequent periodic reports. 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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