



EMCORE Introduces 6 GHz Bandwidth Cooled Coaxial Laser Module for 5G Wireless at the Mobile World Congress Americas

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ALHAMBRA, Calif., Sept. 11, 2018 (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 Model 1998 Cooled, Coaxial Distributed Feedback (DFB) Laser Module for next-generation wireless fiber optic link applications. The 1998 laser module features wide bandwidth above 6 GHz and is designed for 5G wireless, Distributed Antenna Systems (DAS), L-Band and S-Band signal distribution. The model 1998 and EMCORE's complete line of lasers and optical receivers for wireless will be on display at the Mobile World Congress Americas (MWCA), September 12-14 at the Los Angeles Convention Center, booth #S-3227.

The migration to 5G wireless networks is fast approaching with Verizon's planned deployment of its fixed wireless 5G in up to five markets by the end of 2018, and 5G hotspots from AT&T expected by late 2018. Full-blown 5G smartphones are expected to be launched in the first half of 2019. EMCORE's new 1998 is an ultra-linear, coaxial 1550 nm DFB laser module optimized for 5G wireless remoting fiber optic links. It is designed to enhance bandwidth and signal integrity for delivery of consistent, reliable wireless signals. The laser is packaged in a compact, hermetic, cooled TOSA (Transmitter Optical Sub-Assembly) with monitor photodiode, thermistor, TEC (Thermoelectric Cooler), optical isolator and flex circuit for integration into various transmitter configurations. It delivers superior optical performance over an enhanced temperature range of -40 °C to +85 °C.

"Our new 1998 laser builds upon EMCORE's long history of high-performance designs for CATV, wireless and high-speed digital applications and will continue to raise the performance bar in linear fiber optic transmission for emerging 5G networks," said Gyo Shinozaki, Vice President of Marketing for EMCORE. "With bandwidth above 6 GHz, the 1998 will deliver maximum high-speed signal integrity for 5G, DAS and long-distance fiber optic link networks," added Mr. Shinozaki.

At MWCA, EMCORE will also showcase its 1618A and 1718A, 6.5 GHz DFB laser modules and its 5200 Series 3 and 6.5 GHz fiber optic links. The 1618A and 1718A lasers are packaged in EMCORE's classic 14-pin butterfly cooled laser form-factor and deliver highly-linear, superior optical performance at 1310 nm and 1550 nm wavelengths. The 5200 series are a compact, weatherproof fiber optic transmitter and receiver pair for Inter-Facility Link (IFL) applications where high-performance under demanding conditions is critical.

EMCORE will be featured on the 5G & NFV tour at MWCA. For more information on the new 1998 and EMCORE's complete line of lasers, optical receivers and fiber optic links for wireless, you can sign-up for the tour at <https://www.mwcamericas.com/experiences/topic-tours/>, or visit us at booth #S-3227, September 12-14 at the Los Angeles Convention Center, Los Angeles, Calif.

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, data centers, 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 facility in Beijing, 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, 2017, 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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