



## EMCORE Introduces Model 1999 6 GHz Bandwidth Coaxial Laser Module for 5G at Mobile World Congress, Los Angeles

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ALHAMBRA, Calif., Oct. 22, 2019 (GLOBE NEWSWIRE) -- EMCORE Corporation (NASDAQ: EMKR), a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's leading-edge defense systems and high-speed communication network infrastructures, announced today the introduction of the Model 1999 Coaxial Distributed Feedback (DFB) Laser Module for next-generation wireless fiber optic link applications. The 1999 laser module features wide bandwidth above 6 GHz and is designed for 5G, Distributed Antenna Systems (DAS), L-Band and wireless remoting link applications.

The 5G wireless migration is underway with all three of South Korea's mobile network operators now offering the world's first ultra-fast 5G services in multiple cities. Full-blown 5G smartphones are available and early results show a significant uptick in data use among 5G customers according to SK Telecom. EMCORE's new 1999 laser module is an ultra-linear, coaxial DFB laser module operating at wavelengths from 1270 to 1550 nm that is optimized for 5G wireless fiber optic links. It's designed to enhance bandwidth and signal integrity to meet the increased data demands of 5G networks for delivery of consistent, reliable wireless signals.

Featuring optical output power up to 10 dBm, the 1999 laser delivers superior optical performance over an enhanced temperature range from -40 °C to +75 °C with very low power consumption. The 1999 can be cooled with external Thermo-Electric Coolers (TEC) for high-stability or run without TEC's to further reduce power consumption. The unit is packaged in a compact, hermetic assembly together with a monitor photodiode and isolator for flexible integration into various transmitter configurations.

"Our new 1999 laser follows the successful release of the model 1998 at last year's MWC in Los Angeles and builds on EMCORE's track record of high-performance designs for wireless and high-speed digital applications," said Gyo Shinozaki, Vice President and General Manager of Broadband for EMCORE. "With bandwidth above 6 GHz, the 1999 will deliver maximum high-speed signal integrity, raising the performance bar in linear fiber optic transmission in 5G, DAS and long-distance fiber optic link networks," added Mr. Shinozaki.

The new model 1999 and 1998 lasers, along with EMCORE's complete line of lasers, optical receivers and photodiodes for wireless will be on display at the Mobile World Congress, Los Angeles, October 22-24 at the Los Angeles Convention Center, booth #S-2461.

### About EMCORE

EMCORE Corporation is a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's leading-edge defense systems and high-speed communication network infrastructures. 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 navigation systems and military communications, cable television, fiber-to-the-premise networks, telecommunications, data centers, wireless infrastructure and satellite RF fiber links. 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](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 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, 2018, 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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