



EMCORE Releases Mini-Tx 1.2 GHz, 1550 nm L-EML™ CATV Transmitter Subassembly Capable of 44 dB MER Performance

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ALHAMBRA, Calif., June 07, 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 release of the Model 3644 Mini-Tx 1.2 GHz, 1550 nm Linear Externally Modulated Laser (L-EML™) CATV Transmitter Subassembly. EMCORE's new 3644 Mini-Tx is the most compact L-EML™-based transmitter released to-date. It will support links up to 100 km with all the core elements required for designers to quickly integrate the L-EML™ device technology into a variety of CATV transmitter platforms.

The L-EML™ technology breakthrough was invented, developed and is manufactured exclusively at EMCORE. It consists of a high-power, low-noise, narrow linewidth laser combined with a proprietary highly-linearized modulator in a monolithic assembly. It enables long distance optical link performance approaching traditional lithium niobate-based externally-modulated transmitters, but is much more cost-effective and far exceeds the performance of Distributed Feedback (DFB) laser-based systems.

EMCORE's new 3644 Mini-Tx is designed to support traditional Hybrid Fiber Coax (HFC), Multi-Wavelength Node Splitting, Radio Frequency over Glass (RFoG) and RF overlay for Fiber-To-The-Premise (FTTP) applications. The platform supports RF loads of Analog, Quadrature Amplitude Modulation (QAM) and Orthogonal Frequency Division Multiplexing (OFDM) to 1218 MHz and is fully DOCSIS 3.1 compatible. The 3644 Mini-Tx achieves an exceptional Modulation Error Ratio (MER) of 44 dB across the entire operating band under full QAM load conditions. MER at the receiver is the key parameter for link performance in modern QAM based HFC networks. Additionally, there is an RF test port on-board with monitor and control via an RS-232 interface.

"Since their introduction, the acceptance of L-EML-based CATV transmitters has been tremendous," said Grant Olecko, Senior Product Line Director at EMCORE. "Our customers asked us to expand on the form-factor options to allow them greater flexibility on how they integrate the technology into their platforms. With the new 3644 Mini-Tx we now have a wider range of form-factor options to satisfy broader customer and market requirements," added Mr. Olecko.

EMCORE will showcase its new Model 3644 Mini-Tx 1.2 GHz, 1550 nm L-EML™ CATV Transmitter Subassembly, along with its complete line of cable network solutions at ANGACOM 2018, June 12-14 at the Cologne Congress Center, Cologne, Germany, Hall 8, Booth #Q60. We will be meeting with customers and industry analysts at our booth and invite you to [contact us](#) if you are interested in scheduling 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, 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 further information about EMCORE, please 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 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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