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## **EMCORE Begins Customer Sampling of New OBI Mitigated RFoG Optical Networking Unit Transceiver**

ALHAMBRA, Calif., Oct. 17, 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 that it is sampling its new Radio Frequency over Glass (RFoG) Optical Networking Unit (ONU) Transceiver with key customers for qualification. Announced at ANGACOM 2017, EMCORE's new RFoG ONU transceiver is an Optical Beat Interference (OBI) mitigated design utilizing the Company's breakthrough Linear Externally Modulated Laser (L-EML™). The unit will be showcased along with EMCORE's complete Line of CATV network solutions at the Cable-Tec Expo in Denver, Colorado, October 18-20, Booth #872.

RFoG technology provides cable Multiple Service Operators (MSOs) the ability to offer a Fiber-to-the-Premise (FTTP) type architecture without changes to standard equipment in the headend or central office. As subscriber density increases, however, OBI signal degradation can present challenges to overall system performance. EMCORE's RFoG ONU transceiver overcomes those obstacles by eliminating the effects of OBI through proprietary upstream laser wavelength management, significantly improving RFoG network performance in high-density customer environments.

EMCORE's RFoG ONU transceiver is compliant with the SCTE (Society of Cable Telecommunications Engineers) RF over Glass specification. It is designed to support standard CATV downstream and upstream transmission bands for voice, video and data signals in single family and multiple-dwelling unit applications. Downstream it receives a 1550 nm forward path optical signal carrying an RF cable television spectrum up to 1.2 GHz, making it compatible with the cable industry's DOCSIS 3.1 standard. For return path, it supports digital upstream transmission operating at 1610 nm that supports a 5-85 MHz spectrum.

"The interest level in our OBI mitigated RFoG ONU following its announcement at ANGACOM has been tremendous," said Gyo Shinozaki, Vice President of Marketing for EMCORE. "Key customers are excited to sample the unit for qualification within their systems. The combination of OBI mitigation and an economically compelling solution make this an attractive option for RFoG."

At the Cable-Tec Expo, EMCORE will also showcase its latest DOCSIS 3.1, 1550 nm CATV transmitters utilizing the L-EML™ technology with a rackmount system display featuring the MEDALLION 8100 1550 nm CATV Transmitter, MEDALLION 7000 Series CATV Fiber Amplifier and 2100 Optical A/B Switch. In addition, EMCORE will display its new, compact 1.2 GHz, 1550 nm L-EML™-based mini-transmitter card subassembly designed for a range of CATV applications. EMCORE will also feature its latest high-density laser package technology with the forthcoming EMCORE XMD. The EMCORE XMD incorporates the Company's performance-leading and proven 1550 nm QAM laser technology into the ultra-compact form-factor that is approximately 1/3 the size of EMCORE's classic 14-pin butterfly laser module.

"Adoption of our L-EML technology continues at a rapidly expanding rate and our new 'mini-Tx' subassembly provides all the core elements required for designers to quickly integrate the L-EML device technology into a variety of CATV transmitter platforms," said Grant Olecko, Senior Product Line Director at EMCORE. "Everyday the true benefits of linear fiber optics to the node in HFC networks becomes more apparent compared to baseband digital links being evangelized by some in the industry," added Olecko.

To find out more about EMCORE's new OBI Mitigated RFoG ONU and the Company's complete line of cable network solutions, please visit us at the Cable-Tec Expo, October 18 — 20, booth #872 at the Colorado Convention Center, Denver, Colorado. If you are interested in scheduling a meeting at the show, please contact us at [media@emcore.com](mailto:media@emcore.com).

### **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](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, 2016, 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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