EMCORE Releases High-Power, Ultra-Low RIN DWDM Laser Modules

ALBUQUERQUE, NM--(Marketwire - March 18, 2010) - EMCORE Corporation (NASDAQ: EMKR), a leading provider of compound semiconductor-based components and subsystems for the broadband, fiber optic, satellite and terrestrial solar power markets, announced the introduction and immediate availability of a new line of high-power, > 100 milliwatt (mW), continuous-wave (CW) source laser modules for 1550-nm range DWDM applications.

The DWDM 100-mW high-power CW laser module, available in all ITU grid wavelengths, offers solutions for growing demands of high optical power in DWDM, CATV networks, and free space optics applications. The laser module is DC-coupled with a built-in TEC, thermistor, and monitor photodiode. The device is mounted in a 14-pin, OC-48 pinout compatible butterfly package with the optical isolator mounted on the TEC. It also incorporates an innovative, high efficiency coupling scheme to deliver more than 100-mW CW optical power at a low bias current. Features of these laser modules, model number 1782, include:

- Operating temperature ranges from -20°C to +65°C
- Ultra low RIN (relative intensity noise) is typically less than -170 dB/Hz
- Optical power output is greater than 100 mW
- Maximum laser bias current is 450 mA

"The ultra low RIN and high optical power makes this product family an excellent choice to design into externally modulated transmitters that require high optical power or dual optical power outputs for RFoG and FTTx networks," said Vu Tran, Optical Component Product Line Manager for EMCORE Broadband. The laser modules are immediately available. Please visit our booth at the Optical Fiber Communication Conference and Exposition (OFC) in San Diego on March 23-25, 2010, for more information.

About EMCORE:

EMCORE Corporation is a leading provider of compound semiconductor-based components and subsystems for the broadband, fiber optic, satellite and terrestrial solar power markets. EMCORE's Fiber Optics segment offers optical components, subsystems and systems that enable the transmission of video, voice and data over high-capacity fiber optic cables for high-speed data and telecommunications, cable television (CATV) and fiber-to-the-premises (FTTP) networks. EMCORE's Solar Photovoltaics segment provides solar products for satellite and terrestrial applications. For space and satellite applications, EMCORE offers high-efficiency compound semiconductor-based gallium arsenide (GaAs) solar cells, covered interconnect cells and fully integrated solar panels. For terrestrial applications, EMCORE offers concentrating photovoltaic (CPV) systems for utility scale solar applications as well as offering its high-efficiency GaAs solar cells and CPV components for use in solar power concentrator systems. For specific information about our company, our products or the markets we serve, please visit our website at www.emcore.com.

Safe Harbor:
Statements in this press release that are not historical facts, and the assumptions underlying such statements, constitute "forward-looking statements" and assumptions underlying "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 and involve a number of risks and uncertainties, including (a) the failure of the products mentioned (i) to perform as expected without material defects, (ii) to be manufactured at acceptable volumes, yields, and cost, and (iii) to be successful under field conditions, (b) the failure of the products to be selected by prospective customers for large-scale deployment and © the ability of the Company's customers to achieve their own business goals and objectives. Readers should also review the risk factors set forth in EMCORE's Annual Report on Form 10-K for the fiscal year ended September 30, 2009. These forward-looking statements are made as of the date hereof, and EMCORE does not assume any obligation to update these statements.

Contact:

EMCORE Corporation
Silvia M. Gentile
Executive Offices
(505) 323-3417
info@emcore.com

TTC Group

Victor Allgeier
(646) 290-6400
vic@ttcominc.com