

## II-VI Incorporated Introduces High Resolution Optical Channel Monitors for Flexible Grid ROADMs

PITTSBURGH, February 26, 2018 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a leading provider of solutions for next generation optical networks, today announced the introduction of its new CTM 1450 high resolution optical channel monitors for flexible grid reconfigurable optical add-drop multiplexers (ROADMs).

The efficient buildout of the global optical transport infrastructure relies on next-generation highly flexible ROADMs that enable the optimization of bandwidth utilization across the network with dynamic data rate selection and channel width allocation. II-VI's CTM 1450 provides visibility into capacity allocation by monitoring the DWDM spectrum at the ingress and egress points of ROADM nodes. The CTM 1450 reports the optical power with a spectral resolution of less than 8 GHz enabled by several new breakthrough developments including sharper tunable filters and enhanced spectral processing algorithms. By leveraging II-VI's mature and cost-effective tunable thin film filter technology, the CTM 1450 delivers a powerful spectral engine at a highly competitive price to enable monitoring of flexible grid channels with 12.5 GHz granularity.

"The tunable thin film filter technology that enables our optical channel monitors is a highly reliable monolithic device unique to II-VI and is based on our in-house vertically integrated 4 inch amorphous silicon technology platform," said Dr. Sanjai Parthasarathi, Vice President, Product Marketing and Strategy, Optical Communications Group. "Our optical channel monitors were originally introduced in 2005 to enable some of the early large ROADM deployments and they continue to be relied upon for current and future generations of ROADMs."

II-VI's broad portfolio of products for ROADM line cards includes dual-chip pump lasers, arrayed-EDFAs, micro-optics for wavelength selective switches and optical time domain reflectometers. II-VI also designs and manufactures fully integrated custom ROADM and amplifier line cards.

### **II-VI at OFC, Mar. 13-15, 2018, Booth #2313**

II-VI will showcase new products at OFC 2018 that are driven by advances in our materials and technology platforms to enable next generation optical networks. The product showcase will include a broad portfolio of products for ROADM line cards, highly compact optical amplifier solutions tailored to enable high bit rate DWDM transceivers, micro-optics assemblies for CATV



networks, micro-optics and optoelectronics for datacenter transceivers, InP-based epiwafers and thermo-electric solutions.

### **About II-VI Incorporated**

II-VI Incorporated, a global leader in engineered materials and optoelectronic components, is a vertically integrated manufacturing company that develops innovative products for diversified applications in the industrial, optical communications, military, life sciences, semiconductor equipment, and consumer markets. Headquartered in Saxonburg, Pennsylvania, the Company has research and development, manufacturing, sales, service, and distribution facilities worldwide. The Company produces a wide variety of application-specific photonic and electronic materials and components, and deploys them in various forms, including integrated with advanced software to enable our customers. For more information, please visit us at [www.ii-vi.com](http://www.ii-vi.com).

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