

II-VI Incorporated Introduces Ultra-low Profile Wide Band Tunable Optical Filters for Next Generation Pluggable Coherent Optics

PITTSBURGH, February 27, 2018 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a leading provider of solutions for optical networks, today announced the introduction of its new ultra-low profile wide band tunable optical filters for next generation pluggable coherent optics.

Large ongoing investments in hyper-scale datacenters and the upcoming rollout of 5G wireless is driving bandwidth upgrades in the global optical transport infrastructure with 100 Gb/s to 400 Gb/s DWDM coherent transmission, including analog and digital coherent optics (ACO and DCO) pluggable transceiver modules. II-VI's ultra-low profile etalon-based tunable optical filter (mini-ETOF) features a wide 90 GHz passband that improves the signal fidelity and increases the reach by filtering the optical noise generated at the transmitter. The mini-ETOF, with its industry leading 3.5 mm thin profile, is designed to be embedded in transceivers with highly compact form factors such as CFP4 and OSFP. Its highly reliable monolithic device is mounted in a thin and flat package that facilitates optimum transceiver cooling with air flow.

“We are the industry leader in tunable filters. We have a broad array of solutions that enable both our leading edge optical monitoring and transceiver-embedded EDFA platforms,” said Dr. Sanjai Parthasarathi, Vice President, Product Marketing and Strategy, Optical Communications Group. “II-VI has the most complete portfolio of solutions for transceiver-embedded EDFAs. Each product stands on its own merits as the industry's best in class in terms of size and performance.”

II-VI's broad portfolio of products for pluggable coherent optics includes the industry's smallest uncooled micro pumps, dual-function hybrid micro-optics and low profile polarization maintaining couplers. It also includes ultra-compact MEMS tunable filters with integrated variable optical attenuator and the recently introduced FlexSOM EDFA platform, a breakthrough in enabling high performance amplifiers to be custom fit to the narrow spaces within coherent transceiver modules.

The mini-ETOF is currently available for customer evaluation and is expected to be generally available later this year.

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.

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