

II-VI Incorporated Announces Miniature Tunable Optical Filter for High Bit Rate DWDM Transmission

PITTSBURGH, March 7, 2017 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a leading provider of solutions for next generation optical networks, today announced a miniature tunable optical filter for high bit rate DWDM transmission applications.

To satisfy the continuing demand for increased capacity in metro, regional and long-haul networks, as well as datacenter interconnects, system designers are employing advanced modulation formats such as 64QAM with Nyquist filtering to increase the per-channel bandwidth from 100 to 400 Gb/s. II-VI's miniature MEMS tunable optical filter (mini-MTOF) is an essential component for these advanced transceivers, improving the signal fidelity and increasing the reach by filtering the optical noise generated at the transmitter. This compact tunable filter, with its low 4.8 mm profile, is designed to be embedded in transceivers with high density form factors such as CFP2 and OSFP. The mini-MTOF also includes a variable optical attenuator (VOA), further optimizing space by removing the need for a separate device.

"Beyond 100 Gb/s, tunable filters are increasingly required to maximize the optical signal to noise ratio in DWDM transceivers and achieve the desired reach," said Dr. Sanjai Parthasarathi, Vice President, Product Marketing and Strategy, Optical Communications Group. "II-VI is the leading provider of transceiver-embedded tunable filters thanks to our existing products based on MEMS and etalon technologies. Our new mini-MTOF is a second generation design that combines best-in-class size and out-of-band isolation performance."

II-VI's portfolio of miniaturized components for transceiver-embedded amplification includes hybrid-passives and uncooled 980 nm pump lasers with in-package wavelength-stabilizer technology. The mini-MTOF is expected to be generally available in June 2017.

II-VI at OFC2017, Mar. 21-23, 2017, Booth #2101

II-VI will showcase new products at OFC 2017 that are driven by advances in our materials and technology platforms. The product showcase will include novel embedded monitoring solutions for transport networks, highly compact optical amplifier solutions tailored to enable high bit-rate DWDM transceivers, as well as key devices and sub-assemblies for datacenter transceivers.

About II-VI Incorporated

Press Release

II-VI Incorporated, a global leader in engineered materials and opto-electronic 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, with 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.

CONTACT: Mark Lourie
Director, Corporate Communications
mark.lourie@ii-vi.com
www.ii-vi.com