

II-VI Incorporated Introduces 25 Gb/s Detector Chip Arrays for Active Optical Cables Deployed in Datacenters

PITTSBURGH, March 2, 2017 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a leading provider of solutions for next generation optical networks, today announced the general availability of its 25 Gb/s detector chip arrays for active optical cables and transceivers deployed in datacenters.

The mainstream adoption of social media and cloud computing is fueling the growth of short-reach optical connectivity in datacenters. II-VI's 25 Gb/s detector chips enable 100 Gb/s short-reach transmission in active optical cables and transceivers. The high speed detectors feature large 40 µm diameter apertures that greatly facilitate arrayed-receiver assembly manufacturing.

“In this fast-growing market for intra-datacenter interconnects, customers rely on few merchant suppliers of optoelectronics with large scale manufacturing capabilities and a proven track record of reliability,” said Karlheinz Gulden, General Manager, II-VI Laser Enterprise. “We improved our ability to quickly respond to our customers with several new state-of-the-art MOCVD reactors that we recently brought online to increase the manufacturing capacity at our facilities in Zurich, where we already have a long history of producing highly reliable pump lasers for terrestrial and submarine applications.”

II-VI is now ramping up production of VCSEL and detector pairs. These chips are available in single-channel form or in 4-, 10- or 12-channel arrays. They are designed to operate at data rates of 10, 14 or 25 Gb/s to support Ethernet and Fibre Channel standards in datacenters and storage area networks.

II-VI at OFC 2017, 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

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

Press Release

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.

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