

II-VI Incorporated Unveils 980 nm Uncooled Pump Laser Module with In-package Wavelength Stabilizer Technology

PITTSBURGH, September 6, 2016 (GLOBE NEWSWIRE) – II-VI Incorporated (NASDAQ:IIVI), a leading provider of pump laser modules and micro-optics for transceiver-embedded optical amplifiers, today announced the introduction of new uncooled 980 nm pump laser modules that feature patent-pending in-package wavelength stabilization within an 8-pin mini-DIL package.

High bit rate transceivers operating at 100 Gb/s and higher continue to be designed into smaller packages to meet the needs of telecom carriers and cloud service providers for equipment with greater bandwidth to form-factor density. II-VI's new 980 nm uncooled pump laser module integrates a wavelength stabilizer into the small 8-pin mini-DIL package, eliminating the need for an external fiber Bragg grating in the fiber pigtail assembly. Instead, II-VI's new 980 nm uncooled pump laser features an 80 micron low-bend loss, small-bend radius and polarization-maintaining fiber pigtail that enables optical amplification within small transceiver packages.

“With our existing portfolio of ultra-compact optical components, we are the leader in pump lasers and micro-optics for transceiver-embedded optical amplifiers for the fast growing 100 Gb/s CFP2-ACO market” said Dr. Sanjai Parthasarathi, Vice President, Product Marketing and Strategy, Optical Communications Group. “Our 8-pin uncooled mini-DIL pump lasers continue to be the smallest commercially available. With the integrated wavelength stabilizer technology, these pump lasers are now also the most versatile solutions for the growing market of optically amplified high bit-rate coherent transceivers.”

The new 980 nm pump lasers are built on II-VI's field-proven OC-2 packaging platform with over two million modules shipped to date. They also house II-VI's market-proven G08 lasers to ensure superior wavelength locking performance, reliability and stability. The new 980 nm pump lasers, together with II-VI's portfolio of ultra-compact hybrid passives based on II-VI's micro-optics technology platform, enable low-noise and high-power optical amplification within transceiver form-factors previously unachievable and are available now.

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 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 of Marketing
Optical Communications Group

(781) 569-1607
www.ii-vi-photonics.com

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