

Press release

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Laser 2000 exhibits at ECOC in Berlin

Santur Introduces Full Band Tunable Lasers with Integrated Modulator

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Weßling, 03. August 2007, Santur Corporation, the leading manufacturer of tunable lasers for the global telecommunications industry, announced that they have introduced Integrated Tunable Transmitter Assemblies (ITTA) which uses Santur's Tunable Laser Mach-Zehnder Modulator (TLMZ) as the key component.

The ITTA and TLMZ are a new generation of compact C and L band widely tunable 10 Gb/s modulated transmitters. The TLMZ integrates Santur's widely tunable DFB array technology with a semiconductor Mach-Zehnder modulator. There are two types of modulators, one is chirped for applications requiring dispersion tolerance up to 1600 ps/nm and a zero chirp version for applications where the dispersion tolerance is 1200 ps/nm.



Santur Corporation introduces a new, compact 10 or 20 mW transmission laser using its own proprietary packaging technology.

Integration of the tunable laser with an InP Mach-Zehnder modulator provides for a highly efficient, small form factor component that can replace CW lasers and LiNbO₃ modulators. The small size of the TLMZ butterfly can also be used to replace Externally Modulated Lasers (EMLs) in small form factor transponders, thus enabling smaller, full band tunable transponders than are currently available.

Ideally suited for use in a wide variety of DWDM systems, the Santur ITTA or TLMZ provides the best combination of performance features available. They offer a unique combination of modulated optical power, wide tunability, and excellent modulation characteristics. Excellent performance characteristics, reliability, ease of manufacture, and economies of scale derived from Santur's exclusive, proven design, differentiate this product from others in the industry.

For users interested in module level products, the ITTA, which includes the control electronics is available. For users that are interested in more compact designs, the TLMZ at the butterfly level is the best choice.

For further information please contact:

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About Laser 2000:

LASER 2000 specializes in distribution of laser sources, accessories, components and instrumentation in the area of industrial vision equipment, fibre optics, instrumentation, telecommunications, measuring devices, scientific research etc.

About Santur Corporation:

Headquartered in Fremont, California, Santur Corporation is the world's leading vertically integrated manufacturer of high-performance tunable lasers for metro and long-haul WDM systems. The company's patented DFB-array technology enables the fabrication of broadly tunable sources at the same high performance as fixed wavelength sources. Santur's products have set a new standard in the industry with their unique combination of high-power achieved without the use of a semiconductor optical amplifier (SOA), wide tunability with no possibility of mode hops, stability in harsh environments, Telcordia GR-468 reliability and value. Investors include Menlo Ventures, Sequoia Capital and Thomas Weisel Venture Partners.

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