



A Furukawa Company

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News Release

WORLD'S LOWEST POWER CONSUMPTION 1 μ M OPTICAL TRANSMISSION MODULE SAMPLES NOW AVAILABLE FROM FURUKAWA AND OFS

OFC/ NFOEC 2010, Booth 1023, San Diego, California, March 22, 2010 - Furukawa Electric Co., Ltd., and the U.S.-based OFS, Specialty Photonics Division, are pleased to announce they have begun supplying samples of a 1 μ m optical transmission module to key customers, who are expected to employ the new technology in cloud computing applications. Cloud computing and other internet activities have created an urgent need for enhancing transmission speed between servers and transmission equipment. The product is designed to achieve ultra-high bit rates through compact high-density mounting and parallel optical transmission by using an eye-safe 1 μ m band vertical cavity surface emitting laser (VCSEL). This system is capable of board-to-board optical transmission capacity in excess of 10 Gbits/s per channel. In testing, the module has achieved a transmission distance of 300 meters at 120 Gbps while maintaining the world's lowest power consumption < 0.84 W (equivalent to 7 mW/Gbps) at case temperatures from +15 to 80°C. Its compact size also allows mounting on circuit boards or integration into various optical transceivers of Multi Source Agreement (MSA) configuration.

Furukawa and OFS will be exhibiting at OFC/NFOEC, Booth #1023 beginning March 22, 2010.

About Furukawa Electric Company, Ltd.

Furukawa Electric Co. Ltd. (www.furukawa.co.jp/english) is an \$11 billion global leader in the design, manufacture and supply of fiber optic products, network products, electronics components, power cables, nonferrous metals, and other advanced technology products. Headquartered in Tokyo, Japan, Furukawa operates production facilities on five continents around the globe, including OFS and the OFS, Specialty Photonics Division, in the USA.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today's and tomorrow's digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit www.ofsoptics.com.

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