



Proximion Showcases Dispersion Compensation Module Continuous Band (DCM-CB)

Solution offers low loss and channel plan independency - increasing performance and system flexibility

San Diego, California, February 25, 2008 — [Proximion Fiber Systems AB](#), a world-class provider of Fiber Bragg Grating (FBG) based Dispersion Compensation Modules (DCMs), announced today the demonstration of its DCM-CB for 40Gbps at this year's Optical Fiber Communication Conference and Exposition ([OFC](#)).

The DCM-CB covers the full continuous C-band and enables any channel plan, any bit rate and any modulation format and provides network operators with a low loss, non-existing latency solution. It increases performance and efficiency, making it suitable for transmission over mission critical networks.

Utilizing Proximion's proprietary FBG design and manufacturing technology, the DCM-CB supports any channel plan and provides a small form factor compared to incumbent dispersion compensation technologies. The DCM-CB primarily addresses next-generation dense wave division multiplexing (DWDM) systems with increased transmission capacity which will benefit from the flexibility in channel spacing offered by the full C-band coverage.

"We are experiencing a paradigm shift where the system vendors are not only preparing for 40Gbps at 50GHz channel spacing, but also applying new approaches when designing systems," says Bengt Johansson, CTO at Proximion Fiber Systems AB. "Today's market is moving to 40Gbps systems and is looking for cost-effective solutions, such as the DCM-CB which contributes to lowering system cost. We also see an increased interest in minimizing the overall system latency, especially for storage and Ethernet applications, to improve the effective bandwidth."

Realizing the unique features of the DCM-CB, system vendors are now designing systems utilizing novel amplification solutions to address the overall performance and cost. These novel amplifier solutions take full advantage of the DCM-CB's absence of non-linearity effects and absence of latency in combination with the inherent low loss to optimize the amplification designs.

Proximion will showcase DCM-CB at OFC on February 26 – 28, Booth Number 3619.

About Proximion

Proximion is a world-class provider of optical modules and sub-systems based on Fiber Bragg Grating (FBG) technology. By combining these unique optical engines with the truly innovative skills of its team, Proximion contribute to its partners' success in a variety of markets.

The founding team of Proximion has pioneered design, manufacturing, and application of advanced FBGs. Proximion's unique and patented method enables manufacturing of FBGs with virtually any filter characteristics. Proximion is a privately-held company headquartered in Kista, Sweden.

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