



## **Proximion Introduces Industry's Smallest Tunable Dispersion Compensation Module**

*Colorless solution enables symmetrical dispersion compensation across C-band while utilizing low-power consumption*

**Kista, Sweden – September 10, 2008** – Proximion Fiber Systems AB, world-class provider of optical modules and sub-systems based on Fiber Bragg Grating (FBG) technology, today announced the industry's smallest Tunable Dispersion Compensation Module (TDCM). Utilizing its advanced FBG capabilities, Proximion is successfully delivering a colorless solution – setting any wavelength across the entire C-band – with wide symmetrical dispersion tunability. The TDCM shows high performance results while utilizing low power consumption.

With advanced functionalities such as low loss and broad optical bandwidth, TDCM is suitable for DWDM 40 Gb/s applications and above. At these bit rates, dispersion management is crucial. Proximion's TDCM solution tightly controls the dispersion with continuous tunability reaching from -700 to +700 ps/nm. Moreover, the colorless operation enables one product for all channels. Its superior form factor and low power dissipation eases integration at the transceiver line-card. In addition, the integrated control electronics, featuring a digital interface, simplifies implementation and removes the need for external calibration tables and the driver circuits normally required.

The TDCM can also be used as an in-line dispersion compensator in 10 Gb systems, where the TDCM simultaneously compensates for all ITU channels, replacing a number of different fixed dispersion compensation modules.

"Our colorless TDCM increases functionality, and enables our customers to achieve higher performance in a more cost-effective way," said Stefan Ekman, CEO of Proximion. "As the market continues to demand higher bandwidth applications to support growing traffic, the need for FBGs will continue to increase. Realizing the industry's need for a smaller solution, we have minimized our TDCM so transceiver and other vital subsystems can be integrated on the same board."

Proximion will be demonstrating its TDCM solution at this year's ECOC in booth number 317. Sampling of the product will be done to selected customers in Q4 2008 and product release is planned for Q1 2009.

### **About Proximion Fiber Systems AB**

Proximion Fiber Systems AB 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 our team, Proximion contribute to 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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