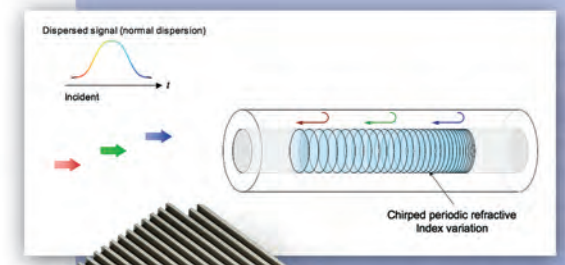
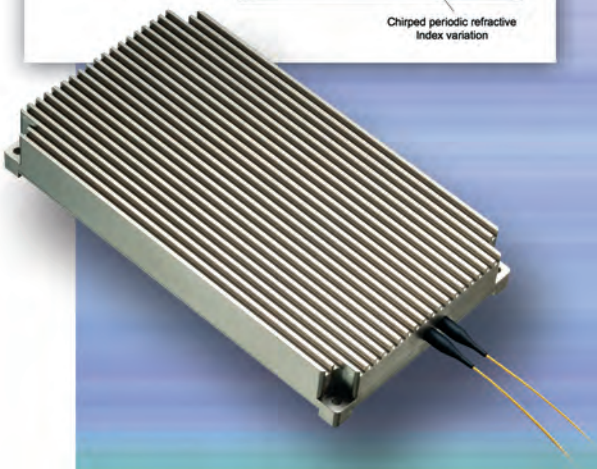
TeraXion

TeraXion, located in Quebec City, Canada, was founded in 2000 and designs and manufactures advanced fiber optic components for lightwave signal conditioning and manipulation. TeraXion's flexible chromatic dispersion management solutions are enabling OEM system vendors to develop high-speed communication networks. As the leading supplier of fiber Bragg gratings, TeraXion offers a complete catalogue of stock and custom FBG products for all telecom and non-telecom applications.



CS-TDCM Tunable Dispersion Compensation Module

The ClearSpectrum™-TDCM is a fully integrated optical module that provides flexible chromatic dispersion management. The device allows for colorless dispersion tuning at each receiver, as required in 40 Gb/s transmission links, or for simultaneous dispersion trimming of multiplexed DWDM channels. Dispersion level can be digitally controlled with standard communication interfaces. The TDCM is enabled by TeraXion's unique multi-channel FBG technology.
The capability of the device is coverage of up to 51 channels at 30 Ghz bandwidth with a maximum tuning range of 1400 ps/nm at a resolution of 10 ps/nm. The tuning performance is controlled by RS232, I2C.



NEW

Clear Spectrum TDCX

At OFC 2008, TeraXion announced the brand new wavelength tunable dispersion compensator. It is designed to be channel plan independent through a wavelength tuning mechanism and can therefore be deployed in 40 Gb/s systems with a 50 GHz channel spacing or in long-haul 10 Gb/s terminals using a 25 GHz grid. Based on the widely deployed and Telcordia-qualified TDC technology, this new compensator is the perfect dispersion management solution for 40 Gb/s applications or submarine networks where wavelength flexibility, accuracy and reliability are critical.

Features:

- useable at 25GHz grid
- large dispersion tuning range (±1200ps/nm)
- positive and negative dispersion tuning

Applications:

- dynamic compensation in 40G networks
- in-line compensation for agile 10G networks
- dispersion emulation for test&measurement