

TeraXion

CS-DCMX Dispersion Compensation / Extended Reach

The ClearSpectrum™ -DCMX series offer a fixed chromatic dispersion compensation solution for high speed Metro and long haul DWDM networks. These devices can be used for pre-, in-line or post compensation. They are designed to offer a high compensation level while maintaining very low loss in a ultra small package. In comparison with dispersion compensating fiber (DCF) it is an attractive alternative in regards to cost and footprint size, as well as insertion loss, which reduces amplification requirements.

The ClearSpectrum product line is available as a mountable optical module DCMX (including circulator) or as a compact OEM component (DCX)

Features:

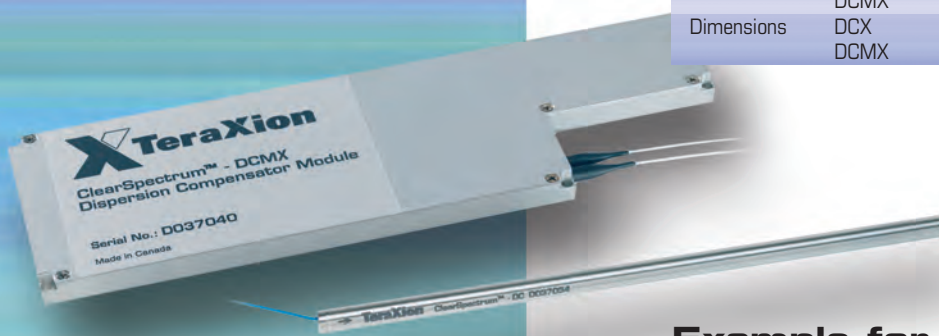
- compensation up to 200Km
- insertion loss <3dB
- slope matched fibers to G.652 or G.655 fibers
- small form factor
- cascable

Applications:

- Metro and Long-haul DWDM
- 40Gb ready networks
- fiber emulation for T&M
- festoon networks

Specifications:

Compensation Level		20 to 100 km	120 to 200 km
Channel Spacing		100 GHz	100 GHz
Operation BW		> 40 GHz	> 30 GHz
Insertion Loss	DCX	< 1.5 dB	< 1.5 dB
	DCMX	< 3.0 dB	< 3.0 dB
Dimensions	DCX	190 x 6.3 Ø mm	225 x 6.3 Ø mm
	DCMX	207 x 65 x 8.6 mm	242 x 65 x 8.6 mm



Example for Application:

Hut skipping applications with 100 to 200 km DCMX modules



Benefits over standard in-line applications:

- Reduce system cost:
 - Lower compensation cost
 - Reduce the number of optical amplifiers