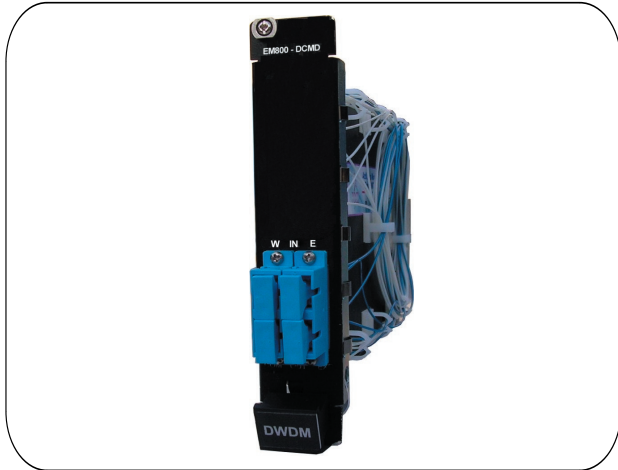


Datasheet



LambdaDriver® - Dispersion Compensation Module (EM800/1600-DCM and DCMD)



EM800-DCMD

Overview

The EM800-DCM and EM1600-DCM Dispersion Compensation modules, are part of the LambdaDriver® product line and can be hosted by the LDP300, LD400, LD800 and LD1600 chassis. The DCM is a single slot module that typically connects to the mid-stage of an Optical Amplifier, such as EM800-OAIM (Optical in line Amplifier with mid-stage). Optical Budget is not affected if connected to OA with Mid-Stage.

Features

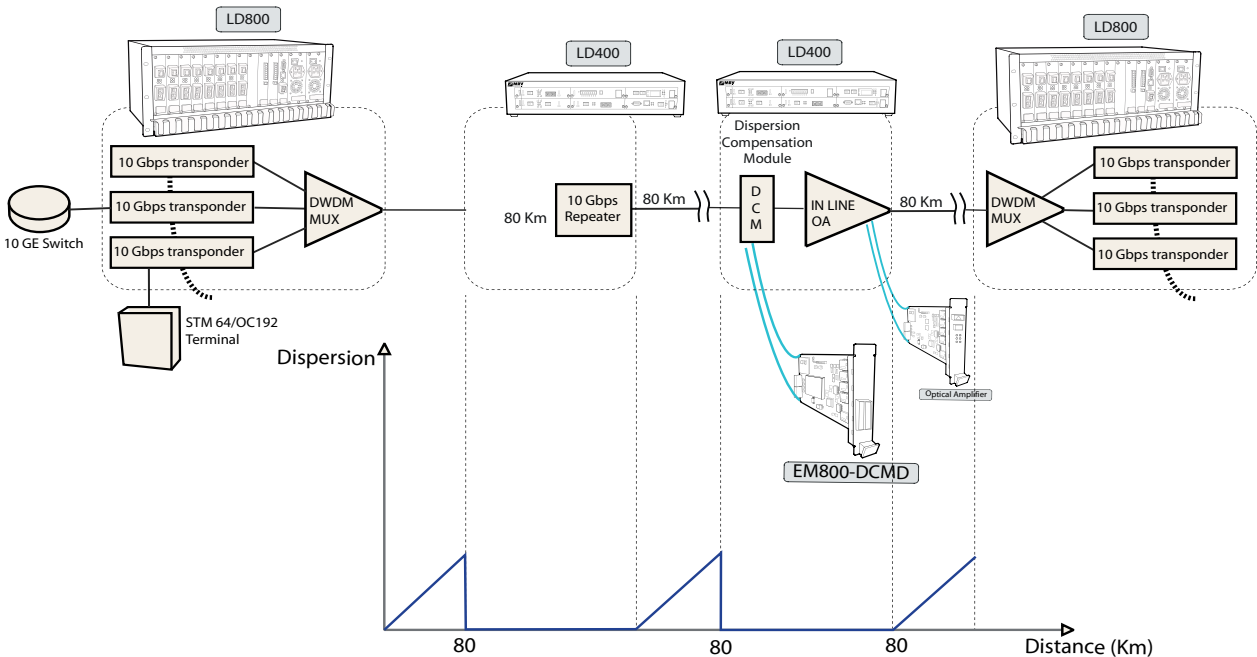
- 80 km dispersion compensation for DWDM networks
- Covers all C-band DWDM channels
- Insertion loss 5db
- Available as single DCM (EM800-DCM and EM1600-DCM), or dual DCM in one LD module (EM800-DCMD and EM1600-DCMD)

Applications

- Dispersion compensation in 10Gb medium and long haul DWDM networks
- Dispersion compensation at network mid-points for distance extension

The DCM provides chromatic dispersion compensation for Metro core, regional and long haul DWDM networks.

Chromatic dispersion is a major distance limiting factor in DWDM networks, especially networks running 10Gb speeds. The DCM provides distance extension of approx. 80km.



Long haul transport of 10 Gbps protocols

Technical Specifications

Physical dimensions	EM800: W: 26.93 x 130.7 x 227 mm 1.06 x 5.145 x 8.93 In EM1600: W: 26.93 x 263.4 x 227 mm 1.06 x 10.37 x 8.93 In
Weight	EM800: 0.55 kg 1.21 lb EM1600: 0.69 kg 1.52 lb
Optical connector	SC/APC - Input; SC - Output
WDM grid	ITU - T - G.694.1
Insertion Loss	5dB
Operating Temperature	-5°C - +45°C
Storage	-10°C - +70°C
Typical dispersion level at specified channel (ps/nm)	ch #20 1375 ch #37 1350 ch #43 1328 ch #60 1267

Order Info	Product	Description
	EM800-DCM	80 km multi-channel DCM (Dispersion Compensation Module) for LD800, LD400, or LDP300
	EM1600-DCM	80 km multi-channel DCM (Dispersion Compensation Module) for LD1600 or LDP300
	EM800-DCMD	80 km multi-channel DCM (Dispersion Compensation Module) for LD800, LD400, or LDP300
	EM1600-DCMD	80 km multi-channel DCM (Dispersion Compensation Module) for LD800 or LDP300
	EM800-DCML	L-Band 80 km multi-channel DCM (Dispersion Compensation Module) for LD800, LD400, or LDP300
	EM1600-DCML	L-Band 80 km multi-channel DCM (Dispersion Compensation Module) for LD800 or LDP300
	EM800-DCMDL	L-Band 80 km multi-channel DCM (Dispersion Compensation Module) for LD800, LD400, or LDP300
	EM1600-DCMDL	L-Band 80 km multi-channel DCM (Dispersion Compensation Module) for LD800 or LDP300

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