



Features

- Low Insertion Loss
- 100% Slope Compensation
- Low PMD
- Pluggable Modules
- Wide Band
- High Reliability

Applications

- SDH High Speed Optical Transmission System
- DWDM Optical Network
- G.652 Fiber Long Distance and Metropolitan Area Communication System

DCM dispersion compensation module is a passive dispersion management element that can be inserted into an optical fiber network to control the overall chromatic dispersion.

It provides negative dispersion for high-speed metro core, regional, and long-haul DWDM transmission networks. DCM can be used to compensate dispersion on standard single-mode G.652 optical fiber across the entire C-band.

Specifications

Parameter	Specification						Unit
Working Wavelength	1525~1565						nm
Compensation Distance	20	40	60	80	100	120	Km
Dispersion @ 1545nm ^[1]	-340	-680	-1020	-1360	-1670	-2040	ps/nm
Max Insertion Loss ^[2]	3.0	4.2	4.8	5.8	6.5	9.8	dB
PMD	0.3	0.4	0.5	0.6	0.8	1.2	ps
PDL	0.1	0.1	0.1	0.1	0.1	0.1	dB
Max Power Input	+ 23						dBm
Working Temperature	-5 ~ 70						°C
Storage Temperature	-40 ~ 85						°C
Power Consumption	1						W

[1]. Accuracy is ± 3%.

[2]. without connector. Each connector adds 0.1dB (FC) ~ 0.3dB (LC).

Note: The specifications provided are for general applications with a cost-effective approach. If you need to narrow or expand the tolerance, coverage, limit, or qualifications, please [click this link](#):

Legal notices: All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind Agiltron only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with the use of a product or its application.

Rev 06/08/24

Dispersion Compensation Module



Layout (2 Slot)



Ordering Information

Prefix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prefix	0	0	Compensation Distance	0	0	0	Connector Type
RDCM-			20 Km = 020 40 Km = 030 60 Km = 040 80 Km = 080 100 Km = 100 120 Km = 120 Special = 000				LC/PC = 1 LC/APC = 2 FC/PC = 3 FC/APC = 4 Special = 0