

**Individually scalable, optical dispersion compensation up to 200 km**

- Dispersion compensation for transmissions up to 200 km
- Individual compensation levels (20 to 200 km in 20 km steps)
- Protocol transparent (10 Mbps to 40 Gbps)
- Purely passive component supporting high reliability
- Compact design – just one slot in a CARRIER platform

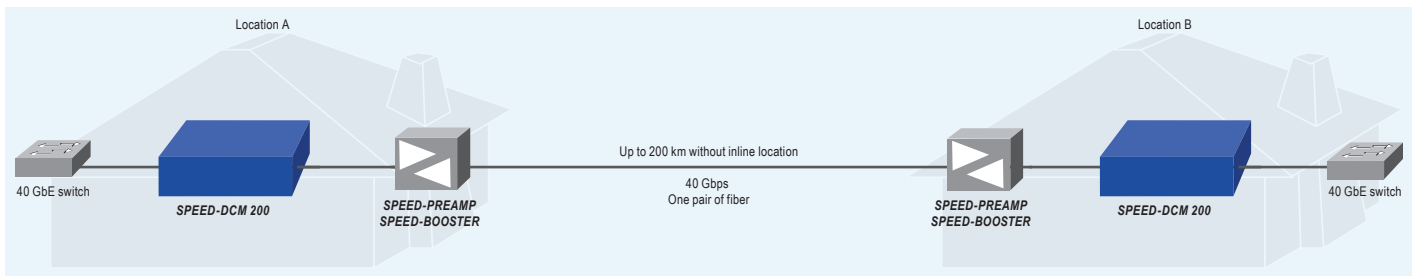


**Dispersion compensation for CWDM and DWDM up to 200 km**

The dispersion compensation module is a purely passive module for compensating differences of velocity of various DWDM wavelengths in optical transmission systems. The SPEED-DCM is available for customized distances starting from 20 km up to 200 km. The disper-

sion compensation is designed for protocol transparent data rates between 10 Mbps and 40 Gbps. Thus up to 80 DWDM wavelengths (100 GHz grid) can be compensated on a fiber optic link. The SPEED-DCM covers one slot in a SPEED-CARRIER 5U or in a SPEED-CARRIER

1U housing. In addition a single-slot housing is available for integration of a SPEED-DCM module.



**SPEED-DCM types**

Article number	S-DCM-20-A	S-DCM-40-A	S-DCM-60-A	S-DCM-80-A	S-DCM-100-A	S-DCM-120-A	S-DCM-140-A	S-DCM-160-A	S-DCM-180-A	S-DCM-200-A
Description	SPEED-DCM-20	SPEED-DCM-40	SPEED-DCM-60	SPEED-DCM-80	SPEED-DCM-100	SPEED-DCM-120	SPEED-DCM-140	SPEED-DCM-160	SPEED-DCM-180	SPEED-DCM-200
Number of slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot
Distance	20 km	40 km	60 km	80 km	100 km	120 km	140 km	160 km	180 km	200 km
Attenuation	< 3 dB	< 3 dB	< 3 dB	< 3 dB	< 3 dB	< 5 dB	< 5 dB	< 5 dB	< 5 dB	< 5 dB

**Specifications**

- General**
- Dimensions (H x W x D): 20 x 129 x 215 mm
  - Purely passive module without requiring power supply

- Interfaces**
- 2 x LC connectors (in/out)

- Housing types**
- 4 slots SPEED-CARRIER 1U (19")
  - 16 slots SPEED-CARRIER 5U (19")
  - 1-slot stand-alone housing

**Ordering option**

- S-DCM-20-A
- S-DCM-40-A
- S-DCM-60-A
- S-DCM-80-A
- S-DCM-100-A
- S-DCM-120-A
- S-DCM-140-A
- S-DCM-160-A
- S-DCM-180-A
- S-DCM-200-A
- SPEED-DCM-20
- SPEED-DCM-40
- SPEED-DCM-60
- SPEED-DCM-80
- SPEED-DCM-100
- SPEED-DCM-120
- SPEED-DCM-140
- SPEED-DCM-160
- SPEED-DCM-180
- SPEED-DCM-200

**Specification of compensation**

- Protocol transparent: 10 Mbps up to 40 Gbps
- Up to 80 DWDM wavelengths (100 GHz grid)
- Fixed assembly: 20 to 200 km (in 20 km steps)

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