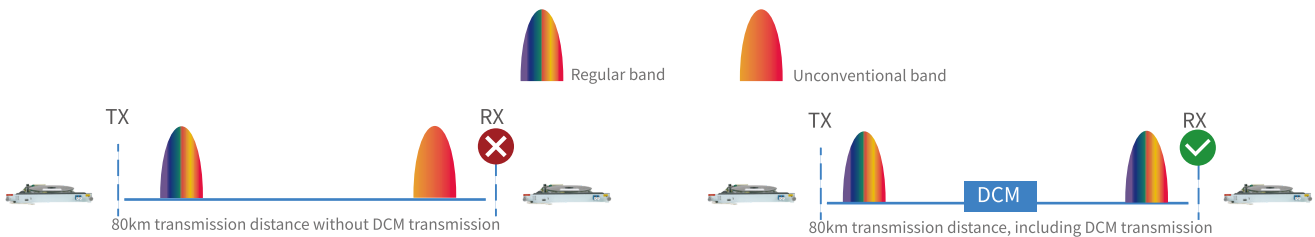


CDTrans-DCM

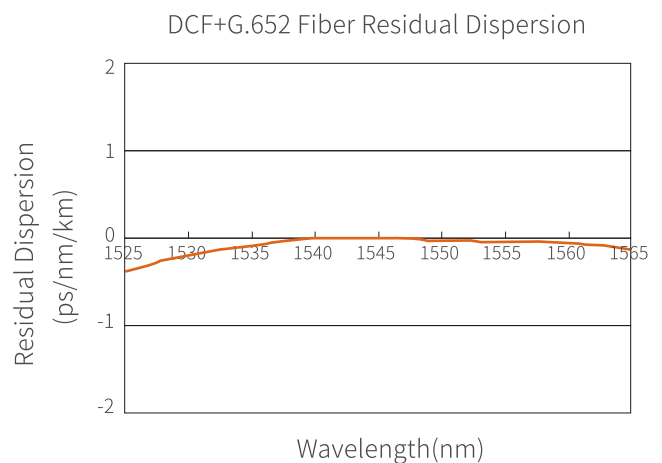
DCM board is DCF-based passive dispersion compensation module, which compensates the dispersion slope of standard G.652 single-mode fiber in the C-band, ensures the signal quality of high-speed signal after long-haul transmission, eliminates intersymbol interference, improves the transmission performance of the system, and realizes the transmission of long-haul, high-bandwidth and large-capacity signals.

The dispersion range of 1550nm wavelength can reach -2100 to -10ps/nm, and can provide products with special requirements for center wavelength and dispersion. When combined with EDFA, it provides a simple, reliable, cost-effective long-haul transmission solution for optical transmission, which makes the signal transmit further without regeneration.



Product Highlights

- C-band 100% slope compensation of G.652 optical fiber (standard value).
- Low insertion loss and low polarization mode dispersion.
- Wideband dispersion compensation of DWDM system.
- Different packages and interface types can be customized according to customer requirements.
- Meet the Telcordia GR-2854-CORE standard.
- Support Web and CLI.
- Meet the RoHS-6 (lead-free).



Product Description

Items	Description					
Slot	1 Slot			2 Slots		
Equivalent G.652 Compensation length	20KM	40KM	60KM	80KM	100KM	120KM
1545nm wavelength dispersion (ps/nm)	-340±10	-670±20	-1000±30	-1340±40	-1670±50	-2040±60
Insertion loss	≤2.5dB	≤3.2dB	≤5.5dB	≤6.5dB	≤7.6dB	≤9.8dB
Polarization mode dispersion	≤0.3ps	≤0.4ps	≤0.7ps	≤0.8ps	≤0.9ps	≤1.1ps
Port	2*LC					
Slots	1/2 slots					
Compensation mode	Fixed compensation					
Relative dispersion slope of 1545nm wavelength	0.004±20%nm ⁻¹					
Polarization loss	≤0.1dB					
Reflection	-27dB					
Maximum allowable input power	+23dBm					
Brillouin scattering threshold	≥6dBm					
Nonlinear system	≤1.4*10 ⁻⁹ n ² /Aeff					
Effective area	≥20Aeff					
Network management function	CLI,WEB					
Dimension(H*W*D)	22*170*245 mm/45*170*245mm					
Working environment	Operating temperature: -10°C ~ 60°C Storage temperature: -40°C ~ 80°C Humidity: 5% ~ 95% without condensation					
MTBF	> 100,000 hours					
Power consumption	<10W					