

## **DCM- Dispersion Compensation Fiber Module DCM-G-652-100%**

DCM product is specifically designed for correcting dispersion impairments in long-distance transmission system. It is higher performance and lower cost than optical fiber DCM.



### **Features**

- The DWDM system wide band dispersion compensation and low residual dispersion;
- The G.652 fiber C band 100% slope compensation (standard value);
- The low insertion loss;
- The low polarization mode dispersion;
- Telcordia GR-2854-CORE standard certification by the performance index;
- The reliability of the GR-1221-CORE certification by Telcordia;
- To provide different packaging styles, types of connectors and jumper length.

### **Applications**

- The G.652 standard single-mode fiber long haul and Metro Communication System
- The DWDM transmission system
- The SDH transmission system
- The CATV cable television system
- The dispersion adjustment

## Specifications

| Parametre                   |       | Unit                  | Value |         |       |
|-----------------------------|-------|-----------------------|-------|---------|-------|
|                             |       |                       | mim   | typical | max   |
| Dispersion Value            | 120km | ps/nm                 | -1950 | -2010   | -2070 |
| Center wavelength           |       | nm                    |       | 1550.12 |       |
| Reflection Bandwidth(0.5dB) |       | nm                    |       | 0.4     |       |
| Insertion loss              | 120KM | dB                    |       |         | 11.5  |
| PMD                         |       | ps                    |       |         | 1.0   |
| PDL                         |       | dB                    |       |         | 0.5   |
| Wavelength Stability        |       | nm                    |       |         | 0.07  |
| Package                     |       | 266*236*43mm (Module) |       |         |       |
|                             |       | 1U rack               |       |         |       |

## Order Information

| DCM | --- | C      | ----- | SMF     | ----- | 80    | ----- | FC/UPC    | ----- | M          |
|-----|-----|--------|-------|---------|-------|-------|-------|-----------|-------|------------|
|     |     | C-band |       | G652 SM |       | 40KM  |       | connector |       | M: module  |
|     |     |        |       |         |       | 60KM  |       | FC/UPC    |       | R: 1U rack |
|     |     |        |       |         |       | 80KM  |       | SC        |       |            |
|     |     |        |       |         |       | 100KM |       | LC        |       |            |
|     |     |        |       |         |       | 120KM |       |           |       |            |