



## Dense Wavelength Division Multiplexer (DWDM Series)

The Dense Wavelength Division Multiplexer series are designed and manufactured to Telcordia standard and ITU standard. The devices use environmentally stable Thin Film Filters and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation and excellent environmental stability. They can be used individually to perform single channel add or drop function or can be cascaded into sequence for multi-channel applications in DWDM systems.



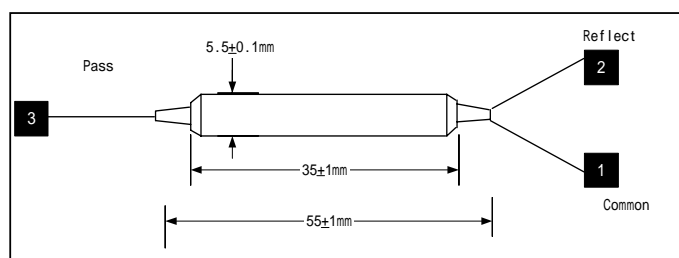
### Specifications

| Parameters      | Unit                        | Values |                |
|-----------------|-----------------------------|--------|----------------|
| Filter Type     |                             | 200GHz | 100GHz         |
| Passband        | Center wavelength CWL       |        | ITU Grid       |
|                 | Min. Bandwidth@0.5dB        | 0.5    | 0.2            |
|                 | Typ. Bandwidth@0.5dB        | 0.7    | 0.4            |
|                 | Max insertion Loss@C P      | 1.0    | 1.5            |
|                 | Typ. insertion Loss@C P     | 0.8    | 1              |
|                 | Min. Channel Isolation@C P  | 25     | 25             |
|                 | Typ. Channel Isolation@C P  | 30     | 30             |
| Reflection Band | Max. Insertion Loss@C R     | 0.6    | 0.6            |
|                 | Typ. Insertion Loss@C R     | 0.4    | 0.4            |
|                 | Min. Channel Isolation@C R  | 12     | 12             |
|                 | Max. PDL                    | 0.1    | 0.1            |
|                 | Typ. PDL                    | 0.05   | 0.05           |
|                 | Directivity                 | 45     | 45             |
|                 | Return loss                 | 50     | 50             |
|                 | Center wavelength stability | nm/    | 0.002          |
|                 | Thermal Stability           | dB/    | 0.005          |
|                 | Maximum Optical Power       | mW     | 300            |
|                 | Fiber Type                  |        | Corning SMF-28 |
|                 | Max. Tensile Load           | N      | 5              |
|                 | Operating Temperature       |        | -5 to +70      |
|                 | Storage Temperature         |        | -40 to +85     |

\*Above specification are for device without connector.

\*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

### Package Dimensions



### Ordering information

DWDM- - - - -

: Channel Spacing

1 - 100 GHz

2 - 200 GHz

: Connector Type

1 - FC/UPC

2 - ST/UPC

3 - LC/UPC

4 - FC/APC

5 - SC/APC

6 - SC/UPC

S - Specify

N - None

: Fiber Type

B - 250µm bare fiber

L - 900µm loose tube

: Fiber Length

1 - 1.0 m

S - Specify