# Dense Wavelength Division Multiplexing (DWDM)

## 1. Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Compact Design
- Wide Operating Wavelength:
  From 1460nm to 1620nm
- Wide Operating Temperature:
  From -40° to 85°C
- High Reliability and Stability

## 2. Applications

- DWDM System
- PON Networks
- CATV Links

## 3. Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- ITU-T G.694.1
- RoHS

## 4. Specifications

**DWDM Device**

| Parameters | | |
|---|---|---|
| Channel Space (GHz) | 100 | 200 |
| Center Wavelength (nm) | ITU Grid | |
| Center Wavelength Accuracy (nm) | ± 0.05 | ± 0.1 |
| Channel Passband (@-0.5dB) (nm) | 0.22 | 0.5 |
| Fiber Type | SMF-28e | |
| Passband IL (dB) | 1.0 | 0.9 |
| Reflectionband IL (dB) | 0.4 | 0.4 |
| Passband Isolation (dB) | 25 | |
| Reflectionband Isolation (dB) | 10 | |
| Ripple (dB) | 0.3 | |
| PDL (dB) | 0.1 | |
| PMD (ps) | 0.1 | |
| RL (dB) | 45 | |
| Directivity (dB) | 50 | |
| Maximum Optical Power (mw) | 300 | |
| Operating Temperature (℃) | -40~85 | |
| Storage Temperature (℃) | -40~85 | |
| Package Dimension (mm) (Φ×L) | 5.5*34/5.5*38 | |

Notes:
1. Specified without connectors.
2. Add an additional 0.2dB loss per connector.