

## Filter Wavelength Division Multiplexing (FWDM)

### 1. Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength:
  - From 1260nm to 1620nm
- Wide Operating Temperature:
  - From -40° to 85°
- High Reliability and Stability



### 2. Applications

- CWDM System
- PON Networks
- CATV Links

### 3. Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS



## 4. Specifications

### Filter-WDM Device

Parameters							
Operating wavelength (nm)	T13/R15	T15/R13	T13/R1415	T14R1315	T15R1314	T1415R13	T1314R15
Transmission Wavelength Range (nm)	1310+/-40	1550+/-40	1310+/-40	1490+/-10	1550+/-10	1490+/-10&1550+/-10	1310+/-40&1490+/-10
Reflection Wavelength Range (nm)	1550+/-40	1310+/-40	1490+/-10&1550+/-10	1310+/-40&1550+/-10	1310+/-40&1490+/-10	1310+/-40	1550+/-10
Transmission IL (dB)	0.8 (0.6 Typ.)						
Reflection IL (dB)	0.6 (0.4 Typ.)						
Transmission Isolation (dB)	30						
Reflection Isolation (dB)	15						
Ripple (dB)	0.3						
PDL (dB)	0.1						
PMD (ps)	0.1						
RL (dB)	45						
Directivity (dB)	50						
Maximum Optical Power (mw)	500						
Operating Temperature (°C)	-40~85						
Storage Temperature (°C)	-40~85						
Package Dimension (mm) (Φ×L)	Φ5.5*L34						

Notes:

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



Оборудование, решение и реализация  
DWDM проектов

## 5. Mechanical Dimensions

WDM Device

