



## 1、Description

1x2 200G DWDM device is based on the thin film filter technology, which can let two or more different optical wavelength transmit respective signal in one optical fiber, or separate the multiplex signals, the central wavelength space is 200GHz.

## 2、Features

- High Channel Isolation, low Insertion Loss
- Epoxy-free on Optical Path
- High Stability and reliability
- Material meet RoHS
- Meet GR 1209,GR 1221 requirement

## 3、Specification

| Parameter                                       | Min          | Typical | Max |
|---|--------------|---------|-----|
| Working Wavelength Range(nm)                    | 1500~1570    |         |     |
| Channel Wavelength (nm)                         | ITU Standard |         |     |
| Passband Width(nm)                              | ±0.25        |         |     |
| Channel Spacing(nm)                             | 200G         |         |     |
| Pass Channel Insertion Loss (dB)                |              |         | 0.8 |
| Reflection Channel Loss (dB)                    |              |         | 0.4 |
| Ripple(dB)                                      |              |         | 0.3 |
| Adjacent Pass Channel Isolation(dB)             | 30           |         |     |
| Non-adjacent Pass Channel Isolation(dB)         | 45           |         |     |
| Isolation of Pass Channel @ Reflection Port(dB) | 15           |         |     |
| Directivity(dB)                                 | 45           |         |     |
| Return Loss(dB)                                 | 45           |         |     |

## 1X2 200G DWDM Device

|                                  |   |  |     |
|----------------------------------|---|--|-----|
| Polarization Dependent Loss (dB) |   |  | 0.1 |
| Polarization Mode Dispersion(ps) |   |  | 0.1 |
| Maximum Optical Power (mW)       | 300   |  |     |
| Operating Temperature Range (°C) | -5~+70  |  |     |
| Storage Temperature Range(°C)    | -40~85  |  |     |
| Optical fiber type               | Corning SMF 28e+ or equal(customized)   |  |     |
| Optical fiber length(m)          | ≥1.0(customized)  |  |     |
| Package dimension (mm)           | All glass for bare fiber type Ø4.0x26<br>Steel tube for loose tube type Ø5.5x39 |  |     |

### 4、 Application

- Metro Networks
- Optical Add/Drop Multiplexing
- Expanding Existing DWDM Systems
- Telecommunications Networks