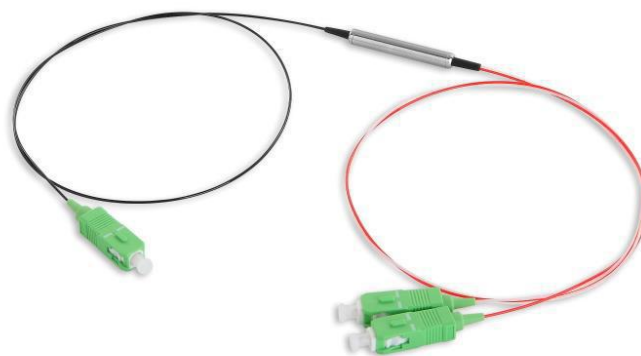


## TFF CWDM 3 Ports Device

### Features

- Automatic Optical alignment
- Optical path epoxy free
- Low insert loss & high isolation
- Telcordia-GR-1221-Core qualified
- RoHS compliant



### Applications

- PON system
- FTTx network
- CWDM system
- Add/drop channel

### Specifications

| Parameter                    |                      | Unit  | Specification                         |
|------------------------------|----------------------|-------|---------------------------------------|
| Channel Center Wavelength    |                      | nm    | 1270,1290...1610 or 1271, 1291...1611 |
| Channel Spacing              |                      | nm    | 20                                    |
| Bandwidth                    |                      | nm    | ≥13 ( $\lambda_c \pm 6.5\text{nm}$ )  |
| Insertion Loss               | Pass Channel         | dB    | ≤0.8(Typical 0.6)                     |
|                              | Reflect Channel      | dB    | ≤0.4(Typical 0.3)                     |
|                              | Ripple               | dB    | ≤0.3                                  |
|                              | Thermal Stability    | dB/°C | ≤0.003                                |
| Isolation                    | Adjacent Channel     | dB    | >30                                   |
|                              | Non-Adjacent Channel | dB    | >45                                   |
|                              | Reflect Channel      | dB    | ≥12                                   |
| Wavelength Thermal Stability |                      | dB/°C | ≤0.002                                |
| Return Loss                  |                      | dB    | ≥45                                   |
| Polarization Dependent Loss  |                      | dB    | ≤0.10                                 |
| Polarization Mode Dispersion |                      | Ps    | ≤0.10                                 |
| Directivity                  |                      | dB    | ≥45                                   |

Information and specifications are subject to change without notice.  
Please visit [www.china-tscom.com](http://www.china-tscom.com) for more information

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|                       |    |   |
|-----------------------|----|---|
| Power Handling        | mW | 300   |
| Operating Temperature | °C | -5~+70(commercial)  |
| Storage Temperature   | °C | -40~+85   |
| Package Dimension     | mm | φ5.5x34 for 250um bare fiber , φ5.5x38 for 900um loose tube |

**Note:**

- Insertion loss excluding connector loss.
- Connectors can be customized on request.
- Fiber type is Corning SMF-28 Ultra, G657A1/A2 and so on.