

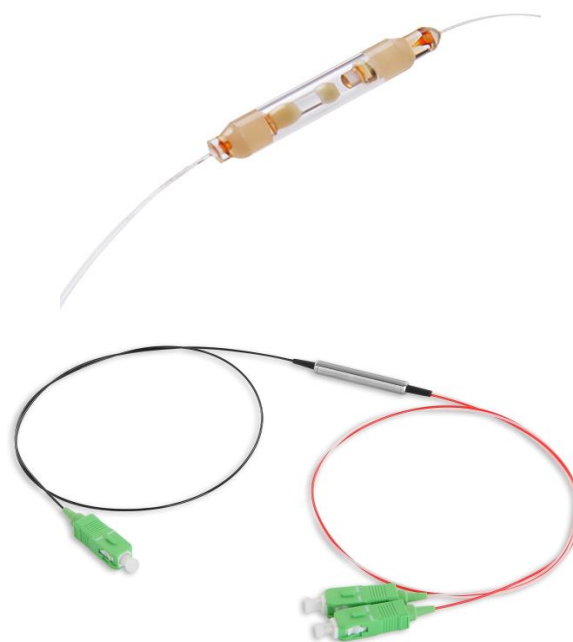
TFF 1310/1490/1550nm FWDM

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
- CATV System



Specification

| Parameter | | Unit | Specification | | | |
|--|----------------|-------|---|----------|----------|----------|
| | | | FWDM3/45 | FWDM45/3 | FWDM35/4 | FWDM5/34 |
| Operating Wavelength | Transmission | nm | 1490±10 | 1310±40 | 1490±10 | 1310±40 |
| | | nm | 1550±10 | | | 1490±10 |
| | Reflection | nm | | 1490±10 | 1310±40 | |
| | | nm | 1310±40 | 1550±10 | 1550±10 | 1550±10 |
| Port of Transmission (Port1=>Port2) | Insertion Loss | dB | ≤0.6(Typical 0.4) | | | |
| | Isolation | dB | ≥40 | | | |
| Port of Reflection (Port1=>Port3) | Insertion Loss | dB | ≤0.5(Typical 0.3) | | | |
| | Isolation | dB | ≥15 | | | |
| Return Loss | | dB | ≥45 | | | |
| Insertion Loss Thermal Stability | | dB/°C | ≤0.005 | | | |
| Polarization Dependent Loss | | dB | ≤0.15 | | | |
| Polarization Mode Dispersion | | Ps | ≤0.10 | | | |
| Directivity | | dB | ≥45 | | | |
| Power Handling | | mW | 300 | | | |
| Operating Temperature | | °C | -40 ~+85 | | | |
| Storage Temperature | | °C | -40 ~ +85 | | | |
| Fiber Type | | -- | Corning SMF-28 Ultra, G657A1/A2 or customer specified | | | |
| Pigtail type | | -- | Ø250µm Bare Fiber or Ø0.9mm loose tube | | | |
| Fiber length | | m | 1.0, or customer specified | | | |
| Package Dimension | | mm | Steel Tube: Ø5.5x34 for 250µm bare fiber, | | | |

Information and specifications are subject to change without notice.
Please visit www.china-tscom.com for more information

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|--|--|---|
| | | Ø5.5x38 for Ø0.9mm loose tube; Glass Tube: Ø4.0x26 for Ø250µm bare fiber, Ø3.2x26 for Ø250µm bare fiber; |
|--|--|---|

Note:

- Insertion Loss excluding connector loss. With connectors add 0.3dB;
- Connectors can be supplied on request.
- The FWDM device with other operating wavelength can be customized.