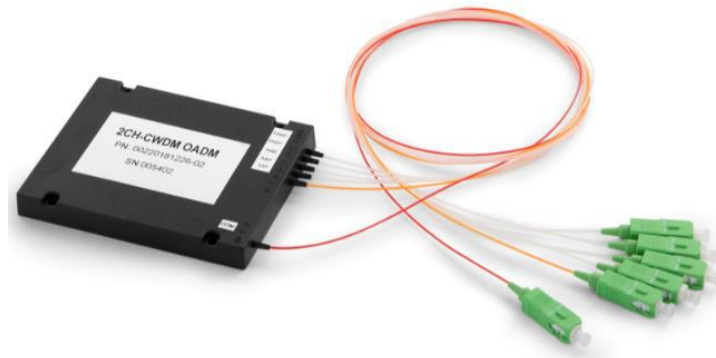


## TFF CWDM OADM Module

### Features

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



### Applications

- CWDM channel add/drop
- Metro optical networks
- FTTx Network
- Mobile front-haul

### Specification

| Parameters                       |                      | Unit  | Specification                         |      |      |      |
|----------------------------------|----------------------|-------|---------------------------------------|------|------|------|
| Channel Central Wavelength       |                      | nm    | 1270,1290...1610 or 1271, 1291...1611 |      |      |      |
| Channel Spacing                  |                      | nm    | 20                                    |      |      |      |
| Pass Band@-0.5dB                 |                      | nm    | ≥13 (λc±6.5nm)                        |      |      |      |
| Channel Count                    |                      | CH    | 1                                     | 2    | 4    | 8    |
| Insertion Loss                   | In to Drop @λdrop    | dB    | ≤0.8                                  | ≤1.2 | ≤2.0 | ≤3.2 |
|                                  | Add to Out @λadd     | dB    | ≤0.8                                  | ≤1.2 | ≤2.0 | ≤3.2 |
|                                  | In to Out @λother    | dB    | ≤0.8                                  | ≤1.5 | ≤2.6 | ≤5.0 |
| Pass Band Ripple                 |                      | dB    | ≤0.5                                  |      |      |      |
| Isolation                        | Adjacent Channel     | dB    | >30                                   |      |      |      |
|                                  | Non-Adjacent Channel | dB    | ≥40                                   |      |      |      |
| Insertion Loss Thermal Stability |                      | dB/°C | ≤0.005                                |      |      |      |
| Wavelength Thermal Stability     |                      | nm/°C | ≤0.002                                |      |      |      |
| Return Loss                      |                      | dB    | ≥45                                   |      |      |      |
| Polarization Dependent Loss      |                      | dB    | ≤0.15                                 |      | ≤0.2 |      |
| Polarization Mode Dispersion     |                      | Ps    | ≤0.10                                 |      |      |      |
| Directivity                      |                      | dB    | ≥45                                   |      |      |      |
|                                  |                      |       |                                       |      |      |      |
| Power Handling                   |                      | mW    | 300                                   |      |      |      |
| Operating Temperature            |                      | °C    | -40~ +85                              |      |      |      |

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

8 Jinxiu Middle Road, Pingshan, Shenzhen, Guangdong, 518118, P. R. China  
+86 755 32983688 | [info@china-tscom.com](mailto:info@china-tscom.com) | [www.china-tscom.com](http://www.china-tscom.com)



|                     |    |                                                                                                 |
|---------------------|----|-------------------------------------------------------------------------------------------------|
| Storage Temperature | °C | -40 ~ +85                                                                                       |
| Fiber Type          | -- | Corning SMF-28 Ultra, G657A1/A2 or customer specified                                           |
| Pigtail type        | -- | Ø0.9mm loose tube or Ø1.6mm/Ø2.0mm/Ø3.0mm optical cable;                                        |
| Fiber length        | m  | 1.0 ,or customer specified                                                                      |
| Connector Type      | -- | LC,SC, or customer specified                                                                    |
| Package Dimension   | mm | ABS Box with L100 x W80 x H10(1CH/2CH/4CH)<br>or L120 x W80 x H18(8CH)<br>Cartridge: 130X100X25 |

**Note:**

- Insertion loss excluding connector loss. With connectors add 0.3dB;
- Customized dimension is available.
- Tap monitoring port and express port is optional.