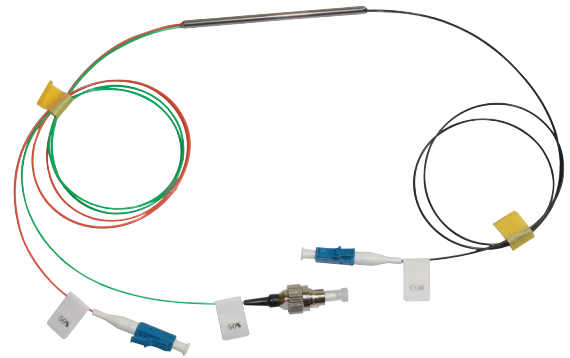


## 1310/1550nm fused Wavelength Division Multiplexer (WDM)

- **Low insertion loss**
- **Low polarization dependent loss**
- **High isolation**
- **High stability and reliability**



### Overview

The 1310/1550nm fused WDM can be used to combine or split 1310nm and 1550nm optical signals to double the fibre transmission capability and ensure bi-direction communication in a single fibre. It is widely used for fibre communication systems upgrades to expand the system capacity.

#### Applications

- WDM systems
- CATV

**1310/1550nm fused Wavelength Division Multiplexer (WDM)****Specifications**

|                            |                               |                        |
|----------------------------|-------------------------------|------------------------|
| Operating wavelength (nm)  | 1310 and 1550                 |                        |
| Operating bandwidth (nm)   | ±15                           |                        |
| Grade                      | Standard                      |                        |
| Insertion loss (dB)        | ≤ 0.3                         |                        |
| Isolation (dB)             | ≥ 16                          |                        |
| PDL (dB)                   | ≤ 0.1                         |                        |
| Directivity (dB)           | ≥ 55                          |                        |
| Operating temperature (°C) | -40~+85                       |                        |
| Configuration              | 1×2                           |                        |
| Fibre lead length          | 1 Metre, others on request    |                        |
| Dimensions (mm)            | 250 µm bare fibre             | Φ 3.0 mm × 54 mm       |
|                            | 900 µm loose tube             | Φ 3.0 mm × 54 mm       |
|                            | 900 µm/ 2 mm/ 3 mm loose tube | 90 mm x 14 mm x 8.5 mm |

**Remarks**

|   |
|---|
| The above specification is without connector                  |
| Other specifications can be supplied to customer requirements |

**Ordering information**

| Item Name | Article number |
|-----------|----------------|
| TBD       | TBD            |

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