



## Product Overview



The Optical Fiber Splitters and Couplers are an optical fiber device capable of branching an optical power on a single optical fiber into two in a designated ratio or combining the optical powers on two optical fibers into one. WFT's Optical Fiber Coupler range is fabricated by the fuse-taper method allowing a variety of fiber coupler components to be realized. We devote ourselves to providing many kinds of products in order to meet customers' requests in all its bearings.

## Features

- Low insertion loss
- High Directivity
- High Stable and Reliable
- Polarization Insensitivity
- Flexible Packing

## Application

- Long Haul telecommunication
- Local Area Networks (LAN)
- Fiber to the Loop (FTTL)
- Passive Optical Networks (PON)
- Cable TV & Video Distribution

## Product Specifications

| Specifications             | Value        |            |
|----------------------------|--------------|------------|
| Operating wavelength (nm)  | 1310 or 1550 |            |
| Standard Bandwidth (nm)    | ±10          |            |
| Wide Bandwidth (nm)        | ±40          |            |
| Max. Insertion Loss (dB)   | 50 / 50      | 3.3 / 3.3  |
|                            | 40 / 60      | 4.3 / 2.5  |
|                            | 30 / 70      | 5.7 / 1.8  |
|                            | 20 / 80      | 7.4 / 1.2  |
|                            | 10 / 90      | 10.3 / 0.7 |
|                            | 5 / 95       | 13.3 / 0.4 |
| Uniformity (dB)            | < 0.6        |            |
| Excess Loss (dB)           | < 0.1        |            |
| PDL (dB)                   | < 0.1        |            |
| Directivity (dB)           | > 55         |            |
| Reflectance (dB)           | > 55         |            |
| Temp. Coefficient (dB/°C)  | < 0.002      |            |
| Operating Temperature (°C) | -40 ~ +70    |            |
| Storage Temperature (°C)   | -50 ~ +85    |            |

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