



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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