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# FiberOptic WDM Coupler/Splitter 980/1550 nm (patent pending)

## Product Description

The FC Series 980/1550 nm WDM is based on Agiltron's advanced fused biconical taper technology and compact packaging structure. It features low insertion loss, high isolation, flat passband, high reliability and stability. The device is ideal for 980 pump and 1550 nm signal wavelength division multiplexing in fiber optic amplifier systems.



## Features

- Ultra Low Insertion Loss
- High Isolation
- Low PDL
- Highly Stable & Reliable
- Ultra Low Cost

## Performance Specifications

FC Series	Performance	Unit
Operation Wavelength	970 - 990 / 1535 -1565	nm
Insertion Loss <sup>1</sup>	< 0.2	dB
Temperature Dependent Loss	< 0.1	dB
Wavelength Dependent Loss	< 0.15	dB
Isolation	> 20	dB
Polarization Dependent Loss	< 0.1	dB
Return Loss	> 50	dB
Directivity	> 55	dB
Optical Power Handling	< 4	W
Operating Temperature	-10 ~ 70	°C
Storage Temperature	-40 ~ 85	°C
Fiber Type	HI1060 or HI980	
Package Dimension	(φ)3.0x(L)54	mm

1. Excluding connectors

\*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

## Applications

- Telecommunications
- CATV
- EDFA Amplifiers
- Raman Amplifiers

## Ordering Information

FC-	Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector Type
3		980/1550=6 Special=0	Premium =1 Special = 0	1 Special= 0		1x2=1 2x2=2 Special=0	HI 980=6 HI 1060 =7 Special=0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0