



Compact Fiberoptic Coupler/Splitter

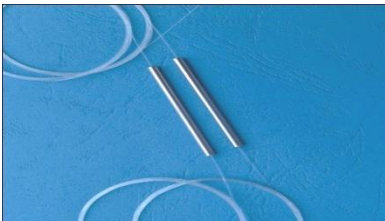
(patents pending)

Product Description

The FC Series Compact Fiberoptic Splitter is based on Agiltron’s fused biconical taper technology and compact packaging structure. It features superior uniformity, low excess, and very low polarization sensitivity. The device is ideal for splitting or combining light with exceptional performance over a wide wavelength range.

Features

- Wavelength Independent
- Ultra Low Excess Loss
- Low Polarization Sensitivity
- Highly Stable & Reliable
- Ultra Low Cost



Performance Specifications

FC Series coupler	Performance		Unit
	1x3	1x4	
Center Wavelength	1310 or 1550		nm
Wavelength Bandwidth	± 20		nm
Insertion Loss ¹	< 5.5	< 7.8	dB
Uniformity (50/50)	< 0.9	< 1.2	dB
Polarization Dependent Loss	< 0.1	< 0.2	dB
Temperature Sensitivity	< 0.002		dB/ °C
Directivity	> 55		dB
Return Loss	> 55		dB
Optical Power Handling	< 4		W
Operating Temperature	-10~70		°C
Storage Temperature	-40~85		°C
Fiber Type and Length	Corning SMF-28, Length >1		m
Package Dimension	250um&900um fiber:		mm
	(D)3.0x(L)60		
	3mm Cable: (L)98x(W)14x(H)8.5		

1. Excluding connectors

Applications

- Telecommunications
- CATV
- LAN
- Instrumentation

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Ordering Information

FC-								
	Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector
		1310=3 1480=4 1550=5 Special=0	Premium=1 Special=0	3x60=1 98x14x8.5=2 Special=0	standard=9 Special=0	1x3=3 1x4=4	SMF-28 250um=1 900um tube=3 Special=0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0

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

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