

Compact Fiberoptic Coupler/Splitter 1x4

(patents pending)

Product Description

The FC Series 1x4 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 1x4 coupler	Performance	Unit
Center Wavelength	1310 or 1550	nm
Wavelength Bandwidth	± 20	nm
Insertion Loss ¹	< 7.8	dB
Uniformity (50/50)	< 1.2	dB
Polarization Dependent Loss	< 0.20	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 250um&900um fiber:	m
Package Dimension	(□)3.0x(L)60 3mm Cable: (L)98x(W)14x(H)8.5	mm

1. Excluding connectors

Applications

- Telecommunications
- CATV
- LAN
- Instrumentation

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Ordering Information

FC-	<input type="checkbox"/> 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector	
	1310=3 1480=4 1550=5 Special=0	Premium=1 Special=0	Special=0	25/25=9 Special=0	4	SMF-28 250um=1 900um loose 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	