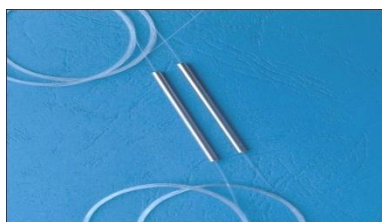


Compact Fiberoptic Coupler/Splitter 1x3

(patents pending)

Product Description

The FC Series 1x3 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 1x3 coupler	Performance	Unit
Operation Wavelength	1290~1330 or 1525~1565	nm
Wavelength Bandwidth	± 20	nm
Insertion Loss ¹	< 5.5	dB
Uniformity (50/50)	< 0.9	dB
Polarization Dependent Loss	< 0.10	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

Compact Fiberoptic Coupler/Splitter 1x3

Ordering Information

FC-						3		
	Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector
		1310=3 1480=4 1550=5 Special=0	Premium=1 Special=0	Special=0	50/50=9 Special=0		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

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