

50/50 FiberOptic Coupler/Splitter 1310 & 1550nm Single Mode

Product Description

The FC Series fiber optic coupler is based on Agiltron's fused biconical taper technology and compact packaging structure. It features good uniformity, low excess loss and very low polarization sensitivity. The device is ideal for splitting or combining light with exceptional performance over a wide wavelength range



Performance Specifications

FC Series	Single Window	Dual Window	Unit
Coupling Ratio	50/50		
Operation Wavelength	1270-1350 or 1510-1590	1270-1350 and 1510-1590	nm
Excess Loss	< 0.1	< 0.1	dB
Insertion Loss Split Ratio:50/50	< 3.3	< 3.6	dB
Uniformity (50/50)	< 0.5	< 0.8	dB
Polarization Dependent Loss	< 0.10	< 0.15	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
Package Dimension *	250um&900um fiber: (φ)3x(L)54		mm
	Mini: (φ)3x(L)25 special fiber		
	3mm Cable: (L)98x(W)14x(H)8.5		

* Other package options available on request

Features

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

Applications

- Telecommunications
- CATV
- Local Access Network (LAN)
- Fiberoptic Instrumentation

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Ordering Information

FC-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector Type
	Single Window=1 Dual Window= 2	1310=3 1550=5 1310/1550=7 Special=0	Premium=1 Special=0	54(L)=1 30(L)=2 98(L)=3 Special=0	50/50=9	1x2=1 2x2=2	SMF28 250µm=1 900µm 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.