

Fiber Optic Wideband Coupler/Splitter 850, 1310 or 1550 multimode

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



Features

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

Performance Specifications

FC Series	Performance	Unit
Coupling Ratio	1/99 to 50/50	
Center Wavelength	850, 1310 or 1550	nm
Excess Loss	< 0.8	dB
Insertion Loss Split Ratio:50/50	< 4.0	dB
Split Ratio:40/60	< 4.9/3.2	dB
Split Ratio:30/70	< 6.3/2.5	dB
Split Ratio:20/80	< 8.0/1.9	dB
Split Ratio:10/90	< 10.8/1.30	dB
Split Ratio: 5/95	< 14.0/0.45	dB
Uniformity (50/50)	< 0.8	dB
Temperature Sensitivity	< 0.002	dB/°C
Directivity	> 40	dB
Return Loss	> 40	dB
Operating Temperature	-10~70	°C
Storage Temperature	-40~85	°C
Fiber Type	50/125 or 62.5/125 multimode	
Package Dimension	(φ)3.0x(L)54	mm

Applications

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

Fiber Optic Wideband Coupler/Splitter

850, 1310 or 1550 multimode

Ordering Information

FC-	<input type="checkbox"/>	<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 Type
	Single Window=1	850=1 1310=3 1550=5 Special=0	Premium=1 Special = 0	1 Special=0	01/99=1 03/97=2 05/95=3 10/90=4 15/85=5 20/80=6 30/70=7 40/60=8 50/50=9 Special=0	1x2=1 2x2=2	50/125 Multimode =4 62.5/125 multimode=5 Special =0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0