

Fiber Optic WDM Coupler/Splitter 1480/1550 nm

(patents pending)

Product Description

The FC Series 1480/1550 nm WDM is based on Agiltron's advanced fused biconical taper technology and compact packaging structure. It features low insertion loss, high isolation, flat passband, high reliability, and high stability. The device is ideal for 1480 pump and 1550 nm signal wavelength division multiplexing in fiber optic amplifier systems.



Features

- Ultra Low Insertion Loss
- High Isolation
- Low PDL
- Highly Stable & Reliable
- Ultra Low Cost

Performance Specifications

FC Series	Performance	Unit
Operation Wavelength	1475~ 1485 / 1545 ~1555	nm
Insertion Loss	< 0.4	dB
Temperature Dependent Loss	< 0.1	dB
Isolation	> 15	dB
Polarization Dependent Loss	< 0.13	dB
Return Loss	> 50	dB
Directivity	> 55	dB
Optical Power Handling	< 4	W
Operating Temperature	-10 ~ 70	°C
Storage Temperature	-40 ~ 85	°C
Fiber Type	SMF-28	
Package Dimension	250um & 900um fiber ()3.0x(L)54	mm
	3mm cable: (L)98x(W)14x(H)8.5	

Applications

- Telecommunications
- CATV
- EDFA Amplifiers
- Raman Amplifiers

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Ordering Information

FC-	<input type="checkbox"/> 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector	
	1480/1550=8 Special=0	Premium=1 Special=0	Special=0		1x2=1 2x2=2 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	