

980/1550 nm Single Mode WDM Coupler

Product Description

The FC Series 980/1550 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 stability. The device is ideal for 980 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	970 ~ 990 / 1535 ~ 1565	nm
Insertion Loss ¹	< 0.3	dB
Temperature Dependent Loss	< 0.1	dB
Wavelength Dependent Loss	< 0.15	dB
Isolation	> 20	dB
Polarization Dependent Loss	< 0.1	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	Flexcore 1060	
Package Dimension	(φ)3.0x(L)54	mm

1. Excluding connectors

Ordering Information

FCWC-	3	6	1	1	0	2	7	1
Type	Wavelength	Grade	Package	Port	Fiber Type	Connector		
	6 = 980/1550		1 = 3 x 54mm		2 = 2 x 2	7 = Flexcore 1060	1 = None	

Applications

- Telecommunications
- CATV
- EDFA Amplifiers
- Raman Amplifiers