

FiberOptic WDM Coupler/Splitter 1310/1550 nm

(patent pending)

Product Description

The FC Series 1310/1550 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 combining or separating optical signals in the 1310 and 1550 nm bands with ultra low cost.



Features

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

Performance Specifications

FC Series	Performance	Unit
Operation Wavelength	1290 ~ 1330 / 1535 ~1565	nm
Insertion Loss	< 0.3	dB
Temperature Dependent Loss	< 0.15	dB
Wavelength Dependent Loss	< 0.15	dB
Isolation	> 17	dB
Polarization Dependent Loss	< 0.15	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& 900 fiber (φ)3.0x(L)54 3 mm cable (L)98x(W)14x(H)8.5	mm

Ordering Information

FC-	Type	Wavelength	Grade	Package	Coupling Ratio	Port	Fiber Type	Connector Type
3		1310/1550-7 Special=0	Premium =1 Special = 0	1 Special= 0	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