

2 μ m Fiber Coupler 2x2



● Product Description

The FC series fiber optic couplers are based on Agiltron's fusion double-cone taper technology and compact packaging structure. They feature excellent uniformity, low excess loss, and extremely low polarization sensitivity. This device is ideal for splitting or combining light with outstanding performance across a wide wavelength range.

● Part Number

FC-A-2-50-2-1-1-1-1

● Product features

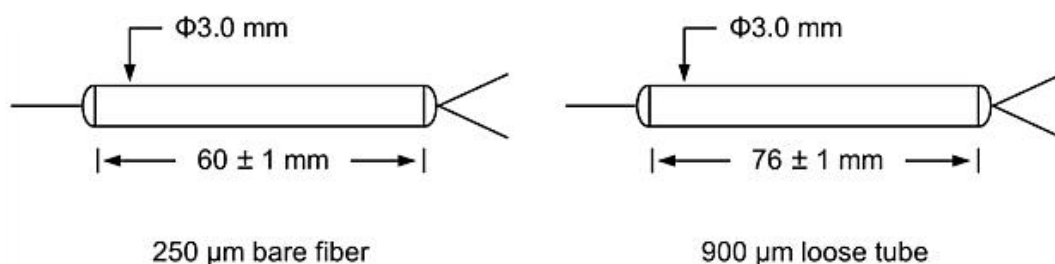
Ultra-low loss 、 Low polarization sensitivity 、 High reliability and stability 、

Ultra-low cost 、 No impact on wavelength

● Application area

Optical communication 、 Cable television 、 Local area networks (LAN) 、
 Fiber optic instruments

● Dimensional Drawing



Parameters

FC Series	Parameter		Unit
Coupling Ratio	1/99 to 50/50		
Bandwidth	±20		nm
Additional Loss	<0.1		dB
Insertion Loss	Output 1	Output 2	
Split Ratio: 50/50	<3.6	<3.6	dB
Split Ratio: 40/60	<4.8	<2.8	dB
Split Ratio: 30/70	<6.1	<2.0	dB
Split Ratio: 20/80	<8.0	<1.3	dB
Split Ratio: 10/90	<12.0	<0.8	dB
Split Ratio: 5/95	<18.4	<0.5	dB
Split Ratio: 1/99	<22	<0.3	dB
Consistency (50:50)	<1		dB
Polarization Dependent Loss	<0.15		dB
Directionality	>55		dB
Return Loss	>55		dB
Maximum Operating Power	<5		W
Operating Temperature	-40~75		°C

Storage Temperature	-40~85	°C
Dimensions	250um: (φ)3x(L)60 900um: (φ)3x(L)77	mm

Ordering Info

