

Fused Singlemode Fiber Coupler

Features

- Low Insertion Loss
- Wide Operating Wavelength
- Compact Size
- Excellent Environmental & Mechanical Stability

Applications

- Local Area Networks
- CATV Systems
- Subscriber Loop
- Fiber Optic Instruments
- Fiber Sensors



Performance Specifications		Singlemode Single Window Standard Coupler	
Type			
Ratio(%)		50/50	(1x2)
Fiber Type		9/125 um SMF -28e or custom	
Operating Wavelength (nm)		1250-1650nm (1310/1490/1550)	
Insertion Loss(dB)	Max.	3.8/3.8	
Excess Loss(dB)	Typical	0.15	
Polarisation Dependent Loss(dB)	Max.	0.2	
Directivity(dB)	Min	55	
Uniformity(dB)	Max.	1.0	
Operating Temperature(°C)		-20~+85	
Storage Temperature(°C)		-40~+85	
Fiber Length		1.0m or custom	
Package Dimension(mm)		Φ3xL54mm	

Coupling Ratio	Insertion Loss
40/60	4.8/2.8
30/70	6.0/1.9
20/80	7.9/1.4
15/85	9.4/0.9
10/90	11.3/0.6
5/95	15.2/0.4

*1x2 FBT Coupler (Measured with at room temperature and excludes connector loss)