

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 or 2x2 ports)	
Fiber Type		9/125 um SMF -28e or custom	
Operating Wavelength (nm)		1550 ±15 (or 1310±15) or Custom	
Insertion Loss(dB)	Max.	3.4/3.4	
Excess Loss(dB)	Typical	0.1	
Polarisation Dependent Loss(dB)	Max.	0.2	
Directivity(dB)	Min	55	
Uniformity(dB)	Max.	0.7	
Operating Temperature(℃)		-20~+85	
Storage Temperature(℃)		-40~+85	
Fiber Length		1.0m or custom	
Package Dimension(mm)		Φ3xL54mm	

Coupling Ratio		Insertion Loss
1/99		21.0/0.2
2/98		18.5/0.2
3/97		16.5/0.35
4/96		15.0/0.35
5/95		14.2/0.4
6/94		13.5/0.45
7/93		12.5/0.5
8/92		12.0/0.55
9/91		11.5/0.65

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