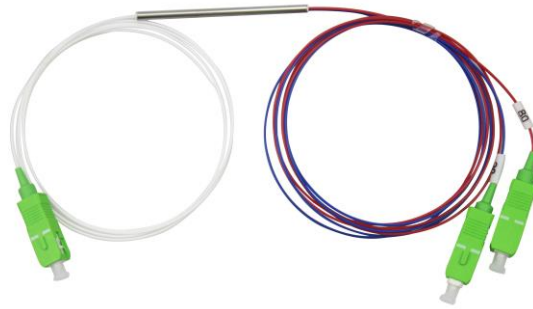


Multi-mode Fiber Coupler Datasheet

Widely used in FTTH/LAN Networks.



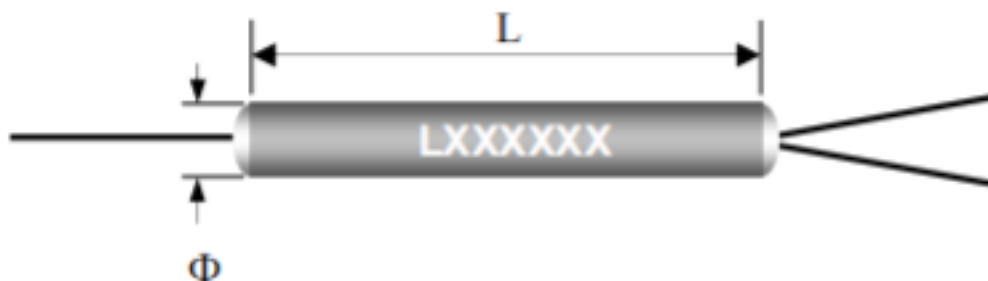
• Description

Optical fiber couplers, also known as fiber splitters, are components that split light signals from one fiber to multiple fibers, and are in the field of optical passive components. OPTICO can provide a full range of fiber couplers such as 1x1/1x2/1x3/1x4/2x2/3x3/4x4, the utility model has the advantages of low insertion loss, high reliability and stability.

• Features

- Low insertion loss
- Compact construction
- High stability and reliability
- Meets Telcordia GR-1209 and GR-1221, meets ROHS standard
- 100% tested before delivery

• Coupler drawing (Unit: mm):



• Package Size:

Structure Type		1x2 or 2x2	1x3,3x3,1x4
Connector type and fiber length		Customized	
Fiber Type		OM1/OM2/OM3/OM4/OM5	
Package Size	250um bare fiber	Φ3.0mmx40mm	Φ3.0mmx54mm
		Φ3.0mmx54mm	
	900um loose tube	Φ3.0mmx54mm	Φ4.0mmx64mm
	900um/2.0mm/.03mm loose tube	L90xW20xH10mm	/

• Package types:

Parameter	1x2 (2x2)MMC	
Work wavelength	850 or 1310, others as customized	
Working bandwidth	±40	
Typical excess loss	≤0.4	
Insertion loss	50/50	≤3.7/3.7
	40/60	≤4.7/2.7
	30/70	≤6.0/2.1
	20/80	≤7.8/1.4
	10/90	≤11.2/0.9
	5/95	≤14.5/0.7
	2/98	≤18.6/0.6
	1/98	22.0/0.5
Uniformity	≤0.5	
Directivity	≥40	
Work Temperature	-40~+85	

- Package types:

Parameter	1x3 MMC	3x3 MMC	1x4 MMC
Work wavelength	850 or 1310, others as customized		
Working bandwidth	±40		
Typical excess loss	≤0.7	≤1.0	≤0.9
Insertion loss	≤6.0	≤6.3	≤7.8
Uniformity	≤0.6	≤1.2	≤1.2
Directivity	≥40		
Work Temperature	-40~+85°C		
Storage Temperature	-40~+85°C		