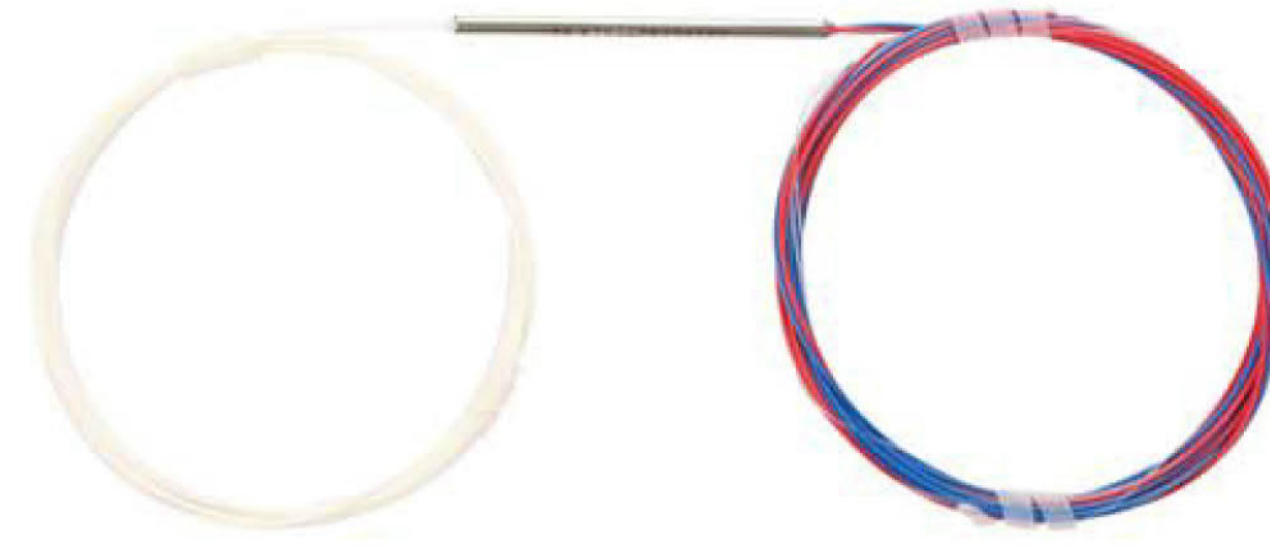


# FBT Fiber Coupler

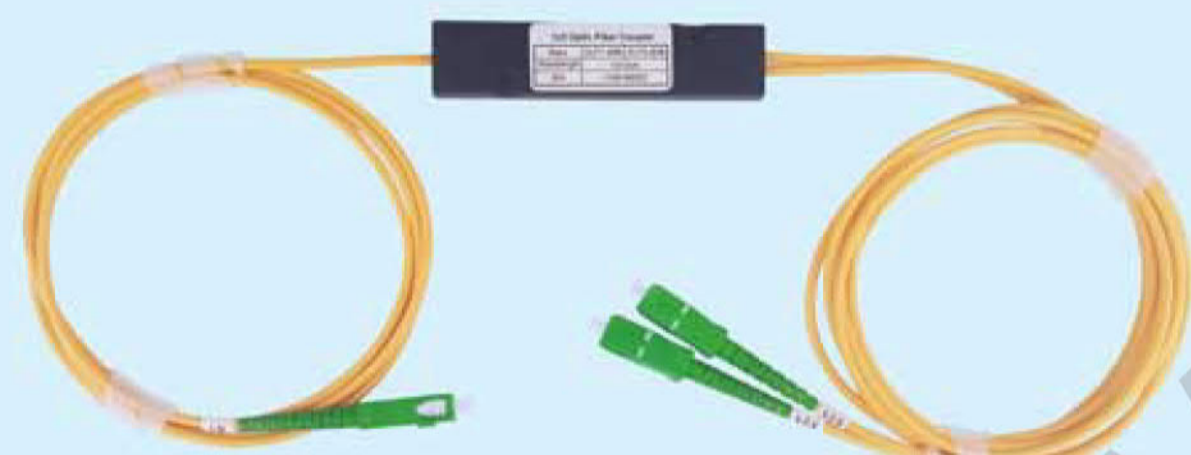


## Features

- Compact size
- Low insertion loss
- Low PDL
- High stability and reliability
- Telecordia GR1221/1209 compliance

## Applications

- EDFA
- CATV system
- Passive network
- WAN
- FTTH & LAN



## Performance Specifications

Parameter	Wide Band Coupler (WBC)	Dual Window Coupler (DWC)	Triple Window Coupler (TWC)	All Band Coupler (ABC)	Multimode Fiber Coupler (MMC)	
Grade	P	P	P	P	P	
Operating Wavelength (nm)	1310, 1550 or C+L Band	1310 and 1550	1310 and 1490 and 1550	1260~1620 or Specify	850 or 1310 or Specify	
Operating Bandwidth (nm)	±40	±40	±40	/	±40	
Typical Excess Loss (dB)	≤0.07	≤0.07	≤0.07	≤0.07	≤0.4	
Insertion Loss (dB)	50/50	≤3.4	≤3.6	≤3.6	≤3.8	≤3.7
	40/60	≤4.4/2.6	≤4.7/2.7	≤4.7/2.7	≤5.1/3.1	≤4.7/2.7
	33/67	≤5.3/2.1	≤5.7/2.2	≤5.7/2.2	≤6.0/2.55	≤5.7/2.2
	30/70	≤5.7/1.9	≤6.0/1.9	≤6.0/1.9	≤6.4/2.3	≤6.0/2.1
	20/80	≤7.6/1.25	≤7.9/1.3	≤7.9/1.3	≤8.3/1.7	≤7.8/1.4
	10/90	≤10.65/0.65	≤11.2/0.75	≤11.2/0.75	≤11.4/1.15	≤11.2/0.9
	5/95	≤13.8/0.4	≤14.15/0.4	≤14.15/0.4	≤14.3/0.8	≤14.5/0.7
	3/97	≤16.15/0.3	≤16.45/0.3	≤16.45/0.3	≤16.7/0.75	≤16.15/0.3
	2/98	≤18.05/0.25	≤18.45/0.3	≤18.45/0.3	≤18.75/0.7	≤18.6/0.6
	1/99	≤21.15/0.2	≤21.6/0.25	≤21.6/0.25	≤21.95/0.65	≤22/0.5
PDL (dB)	≤0.15	≤0.15	≤0.15	≤0.15	/	
Directivity (dB)	≥55	≥55	≥55	≥55	≥40	
Return Loss (dB)	≥50	≥50	≥50	≥50	≥30	
Operating Temperature (°C)	-10 ~ +70					
Storage Temperature (°C)	-40 ~ +85					

Above specifications are for devices without connector.  
Add an additional 0.2dB loss per connector.

Configuration Type	1x2 or 2x2		
Fiber Length	1.5m, or specify		
Fiber Type	250µm bare fiber	900µm loose tube	2mm, 3mm cable or 900µm loose tube
Dimension	Ø3.0 x L54mm Ø3.0 x L60mm	Ø3.0 x L54mm Ø3.0 x L60mm	L90 x W20 x H10mm L100 x W80 x H10mm

## Ordering Information

Mode	Grade	Wavelength	Port	Fiber Type	Package	Fiber Diameter	Coupling Ratio	Connector
1=WBC 2=DWC 3=MMC 4=TWC 5=ABC S=Specify	P A	1=1550 2=1310 3=1310/1550 4=1310/1490/1550 S=Specify	1=1x2 2=2x2	0=SM 9/125 1=MM 50/125 2=MM 62.5/125 S=Specify	1=Ø3x54 2=Ø3x60 3=90x20x10 4=100x80x10	0=250µm 1=900µm 2=2.0mm 3=3.0mm	01=1/99 02=2/98 03=3/97 05=5/95 10=10/90 20=20/80 30=30/70 40=40/60 50=50/50	0=None 1=FC/APC 2=FC/UPC 3=SC/APC 4=SC/UPC 5=LC/APC 6=LC/UPC 7=ST S=Specify