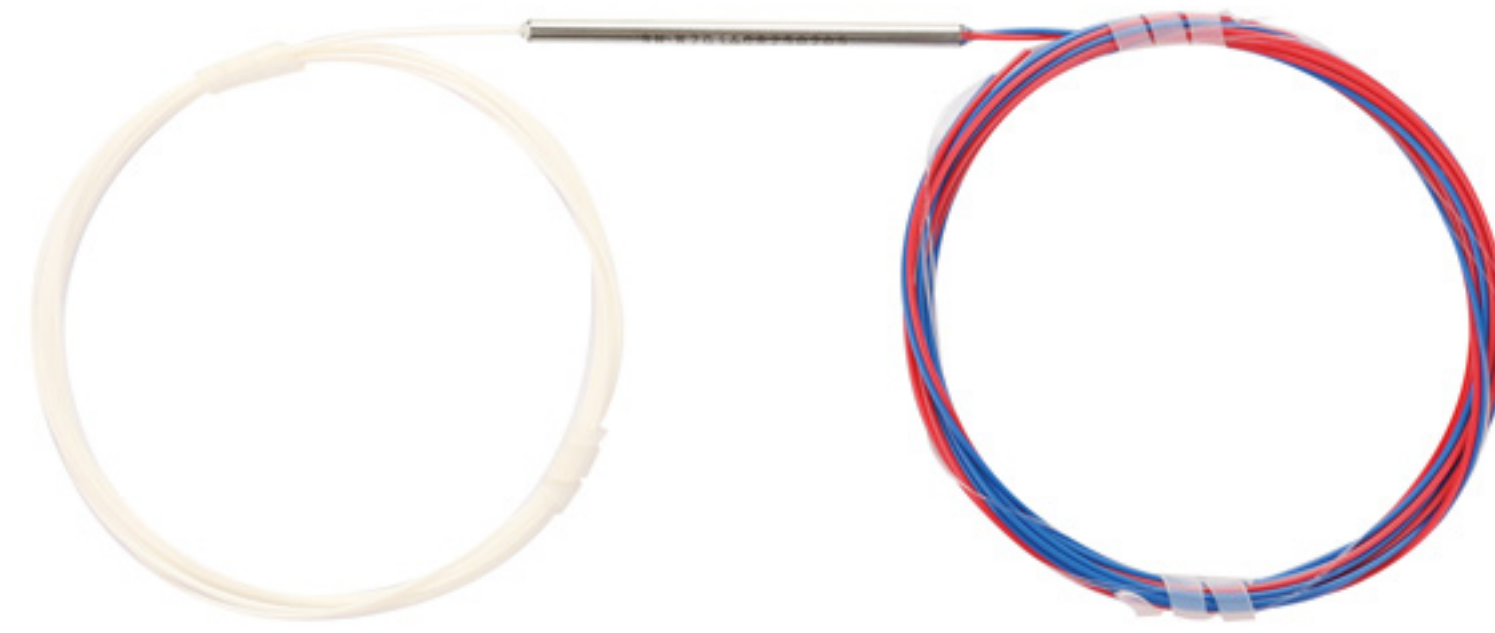


FBT Fiber Coupler

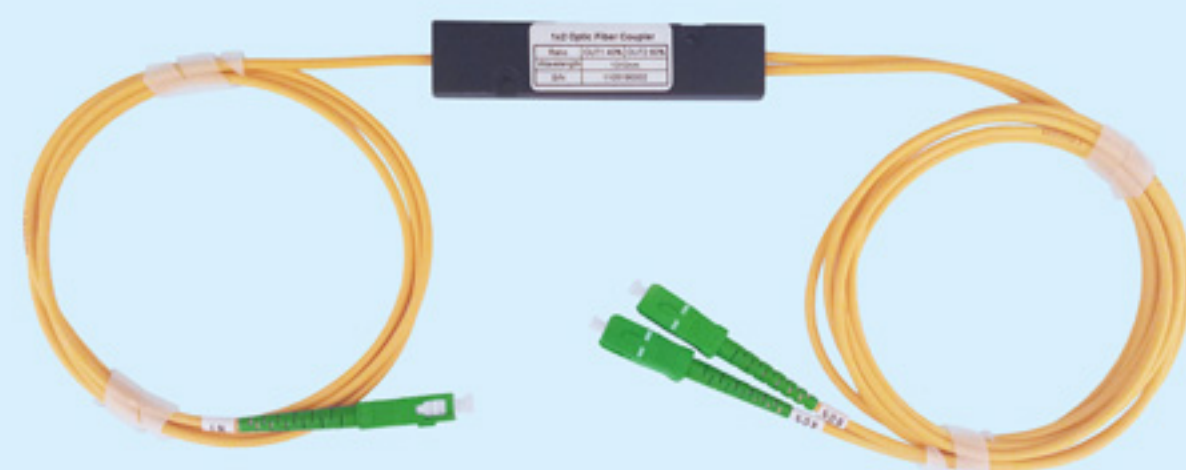


Features

- 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)		Multimode Fiber Coupler (MMC)		
	P	A	P	A	P	A	
Grade	P	A	P	A	P	A	
Operating Wavelength (nm)	1310, 1550 or C+L Band		1310 and 1550		850 or 1310 or Specify		
Operating Bandwidth (nm)	±40		±40		±40		
Typical Excess Loss (dB)	≤0.07	≤0.1	≤0.07	≤0.1	≤0.4	≤0.7	
Insertion Loss (dB)	50/50	≤3.4	≤3.6	≤3.4	≤3.6	≤3.7	≤4.0
	40/60	≤4.4/2.6	≤4.7/2.8	≤4.4/2.6	≤4.7/2.8	≤4.7/2.7	≤5.0/3.0
	30/70	≤5.7/1.9	≤6.0/2.0	≤5.7/1.9	≤6.0/2.0	≤6.0/2.1	≤6.3/2.4
	20/80	≤7.6/1.25	≤8.0/1.3	≤7.6/1.25	≤8.0/1.3	≤7.8/1.4	≤8.1/1.7
	10/90	≤10.65/0.65	≤10.9/0.8	≤10.65/0.65	≤10.9/0.8	≤11.2/0.9	≤11.6/1.2
	5/95	≤13.8/0.4	≤14.1/0.5	≤13.8/0.4	≤14.1/0.5	≤14.5/0.7	≤15.0/1.0
	3/97	≤16.15/0.3	≤16.5/0.4	≤16.15/0.3	≤16.5/0.4	≤16.15/0.3	≤16.5/0.4
	2/98	≤18.05/0.25	≤18.45/0.35	≤18.05/0.25	≤18.45/0.35	≤18.6/0.6	≤19.4/0.9
	1/99	≤21.15/0.2	≤21.65/0.3	≤21.15/0.2	≤21.65/0.3	≤22/0.5	≤22.8/0.8
Polarization Dependent Loss (dB)	≤0.1	≤0.15	≤0.15	≤0.2	≤0.1	≤0.15	
Directivity (dB)	≥50				≥35		
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	Ø2.4x30mm Ø3.0x54mm Ø3.0x60mm	Ø3.0x54mm Ø3.0x60mm	90x20x10mm 100x80x10mm

Ordering Information

Mode	Grade	Wavelength	Port	Fiber Type	Package	Fiber Diameter	Coupling Ratio	Connector
1=WBC 2=DWC 3=MMC 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

Flyin