

High Temperature of 200°C

Features

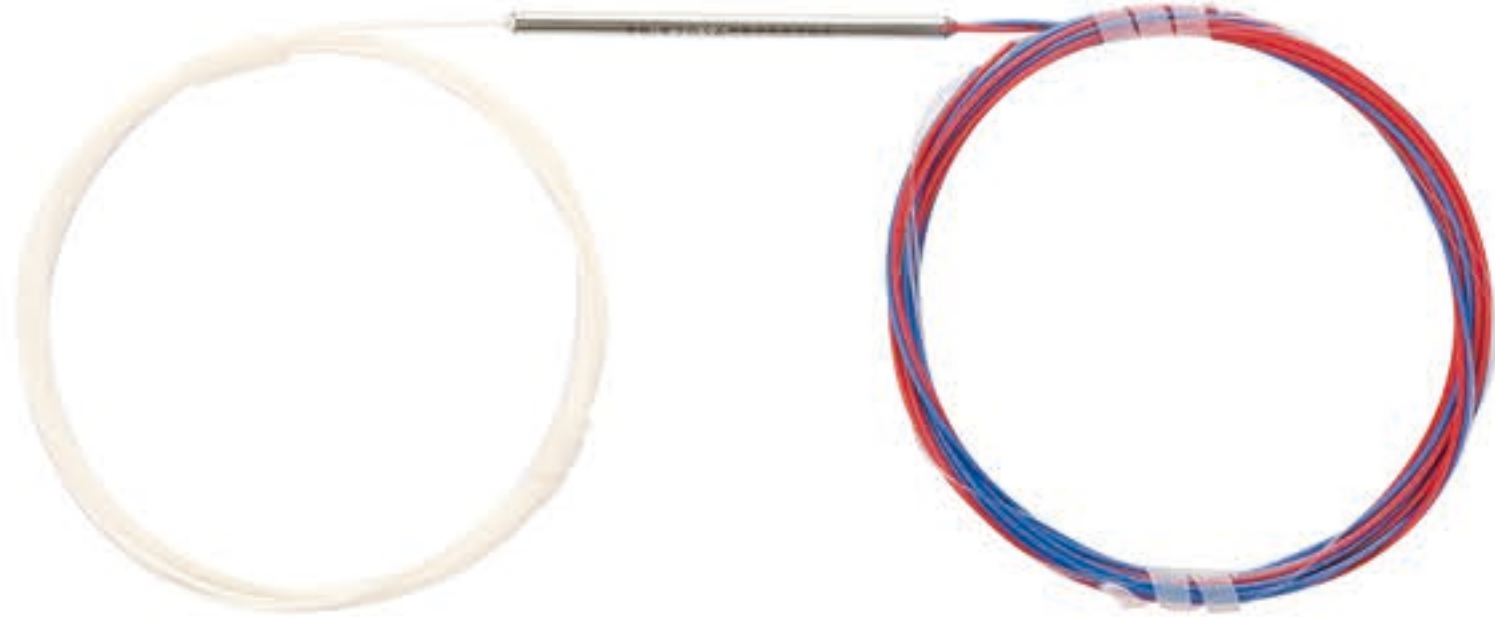
- High Sustained Temperature
- Low PDL
- High Directivity
- Stable and Reliable

Applications

- Aerospace
- Petroleum Service Systems
- Special Optical Network
- Military Applications



1x2(2x2) Singlemode Fiber Splitter



Performance Specifications

Parameter		Wide Band Coupler (WBC)		Dual Window Coupler (DWC)		Multimode Fiber Coupler (MMC)	
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)		-40 to +200°C					
Storage Temperature (°C)		-50 to +200°C					

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	bare fiber	
Dimension	Ø2.4x30mm Ø3.0x54mm Ø3.0x60mm	Ø3.0x54mm Ø3.0x60mm

Ordering Information

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	0=250µm 1=900µm	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