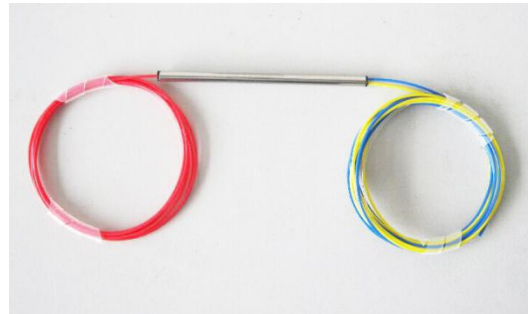


FBT SPLITTER

Fused Biconical Taper (FBT) is used for splitting or combining optical signals. The splitting or coupling ratio is controlled and can be modified upon customer request as well as the amount of splitting ports. The FBT coupler supports discrete wavelength window.

Features:

- Proven FBT fabrication techniques
- Broadband performance
- Environmentally stable
- Low Insertion Loss (IL)
- Polarization insensitive
- Miniature or ruggedized package
- Standard connectors and cable leads available



Description:

- Produced by fused technology.
- Bare optical fiber, 0.9 mm, 2.0 mm, and 3.0 mm Input/Output Cable.
- Steel Tube , ABS Black Module Package.

Applications:

- HFC (network of fiber and coaxial for CATV)
- All FTIH applications.

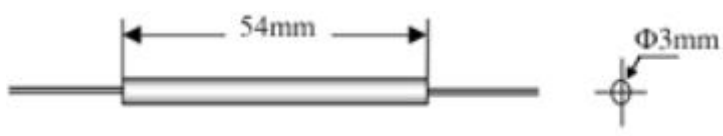
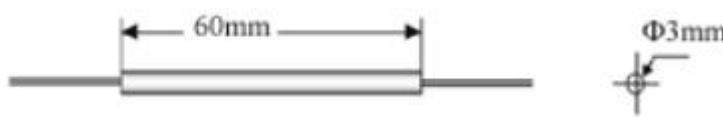
Common Specifications:

Coupling Ratio(%)	1-50
Directivity (dB)	>55 dB
Operating Temperature	-20 ° C - 85 ° C
Storage Temperature	-40 ° C - 85 ° C
Fiber Pigtail Length (m)	1meter
Port Configuration	1x2 or 2x2
Package Dimension	Package A, B, C

Single mode Dual Window Wideband Couplers

Grade	P	A
Excess Loss (Typical)(dB)	0.10	0.15
Maximum Insertion loss (dB)	3.6	3.8
Uniformity (Max.) (dB)	0.7	1.0
Polarization Sensitivity (dB)	0.10	0.15
Operating Wavelength (nm)	1310 /1550 + 40, and 1490+ 10	

Mechanical Specifications:
Package Dimensions:

Package A: 3mm x 54mm stainless steel tube	
Package B: 3mm x 60mm stainless steel tube	
Package C: 10mm x 20mm x 90mm case	

Coupling Ratio/Insertion Loss Conversion Chart :

Coupling Ratio	Insertion Loss	
	Premium	A Grade
40/60	4.7/2.7	5.0/2.9
30/70	6.0/1.9	6.4/2.1
20/80	7.9/1.2	8.4/1.4
10/90	11.3/0.5	12.7/0.8
5/95	15.2/0.4	18.5/0.5
1/99	22.5/0.3	23.0/0.4