# 1X2 Singlemode Dual Window FBT Coupler

Fiber optic coupler, is a device applicated in optical fiber systems with one or more input fibers and one or several output fibers.For the fused optical splitter,It can be divided into different ratios,such as 50/50 if the split is even, or 80/20 if 80% of the signal goes to one side and only 20% to the other.As a result of its great function,Optical splitter is a very important part in passive optic networks (PON).FTB Fused fiber splitter (coupler) can do Single mode (1310/1550nm) and Multi-mode (850nm).Cable diameter can be 0.9mm,2.0mm,3.0mm ,Single window,dual window and three window all we can supply .  
Single mode Dual Window Couplers are Single Mode Splitters with a defined split ratio from one or two input fibers to 2 output fibers. Available split counts are 1x2 and 2x2 in split ratios of: 50/50, 40/60, 30/70, 20/80, 10/90, 5/95, 1/99, 60/40, 70/30, 80/20, 90/10, 95/5, and 99/1. Dual Window Couplers are available with 0.9mmloose tube single mode fiber or 250umbare fiber and terminated or unterminated as per your needs. Unconnectorized DWC's come with no connectors for easy splicing or connectorization. Connectorized DWC's are available with your choice of Fiber Optic Connectors: LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, and ST/UPC.

**Feature:**

1. Low Insertion Loss

2. Low Polarization Dependent Loss

3. Wide Operation Wavelength

4. Wide Operation Temperature

5. Environmental Stability and Reliability

6. High optical return loss

1. Better uniformity
2. Small package size

**Application:**

1.FTTH, LAN, PON and Optical CATV

2.Local ring net

3.Optical fiber communication system

4.Optical fiber test equipment

5.Optical fiber sensor

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| 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 |