

Fused Biconical Taper Coupler (FBT Splitter)

Description

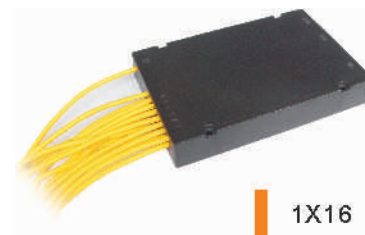
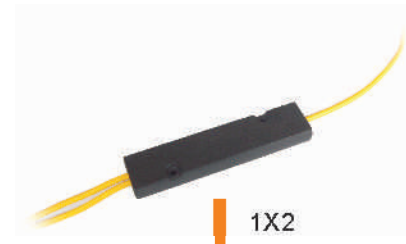
This document detail is specifications of 1×N FBT Coupler.
The FBT splitters are fully compliant with Telcordia GR-1209 and GR1221 reliability stipulations.

Application

- FTTH system
- LAN / WAN / MAN Network system
- Analog / digital passive optical network
- Cable Television (CATV)

Features

- Compact and accurate design
- Low insertion loss and polarization related loss
- High reliability
- More channels
- Wide operation wave-length range
- Wide operation temperature range
- Package and shape could be made as customer requested
- Passed Telcordia GR-1221 and GR-1209 test



Specifications

PARAMETERS	CONDITION	UNIT	SPECIFICATIONS							
			1 x 4	1 x 6	1 x 8	1x12	1 x16	1 x24	1x32	1x64
Insertion loss	1310~1550nm	dB	≤7.2	≤10.0	≤10.7	≤13.0	≤13.9	≤16.2	≤17.2	≤22.0
Uniformity of I.L	1310~1550nm	dB	≤0.8	≤0.8	≤1.0	≤1.0	≤1.4	≤1.5	≤1.6	≤2.5
PDL	1310~1550nm	dB	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Return loss	1310~1550nm	dB	≥55							
Operating Temperature		°C	-40 ~ +85							
Wavelength Range		nm	1260~1360,		1480~1650					
Maximum Input Power		mw	500							
Storage Humidity		RH	30~85%							

Ordering Information

Product Description: $\frac{\text{FBT}}{1} - \frac{1 \times 2}{2} - \frac{20:80}{3} - \frac{S2}{4} - \frac{\text{LC/UPC(IN)}}{5} - \frac{\text{LC/UPC(OUT)}}{6} - \frac{G657A}{7} - \frac{2.0}{8} - \frac{1\text{M}/1\text{M}}{9} - \frac{\text{PVC}}{10} - \frac{12}{11}$

1 - Splitter Model	FBT: Fused Biconical Taper Coupler
2 - Fanout Type	1×2; 1×4; 1×8; 1×16; 1×32; 2×16
3 - Splitter ratio	AVG:Average; 20:80; 10:30:30:30;etc.
4 - Wavelength Range	S2: 1310nm; S3: 1550nm; D1:1310nm/1550nm
5 - Connector -in	FC; SC; ST; LC;
6 - Polishing	UPC; APC;
7 - Connector -out	FC; SC; ST; LC;
8 - Polishing	UPC; APC;
9 - Fiber Mode	G657A1; OS2/G652D
10 - Cable-OD	2.0
11 - Length	1M/1M: Input cable length 1m / Output cable length 1m,etc
12 - Cable jacket	PVC