

FBT Splitters

Fiber optical splitter/couplers are used to split or combine light signals from 1 for 2 sources in to 2-64 outputs. The two most commonly used technologies are FBT-fused biotical Taper and PLC-Planar Light wave Circuit

Features:

- Low PDL
- Low Excess Loss
- Good Directivity
- Good environmental Stability

Application

- Optical Fiber Communication Systems
- Optical fiber access network
- Optical Fiber Communication Systems
- Optical fiber access network
- Optical Fiber CATV
- Optical fiber test equipment
- Optical Amplifiers
- Monitoring Systems
- Optical Fiber Sensor

Compliance

Telcordia GR-1221-CORE

	1 x 2 (FBT)	1 x 3 (FBT)	1 x 4 (FBT)
Coupling ratio*	50/50	33,3/33,3/33,3	25/25/25/25
Return Loss Min,	50dB	50dB	50dB
Directivity	50dB	50dB	50dB
Housing dimension	3,0mm(O) x 47mm	3,0mm (O) x 54mm	3,0mm (O) x 54mm
Fiber type	SMF-28e	SMF-28e	SMF-28e
Tails protection	250µm, 900µm or 2-3mm	250µm, 900µm or 2-3mm	250µm, 900µm or 2-3mm
Standard tail length	1m	1m	1m
Operating temperature	-40+85 °C	-40+85 °C	-40+85 °C
Insertion loss typical/maximum (no connectors)			
Broadband (1260-1600nm)	3,6/4,0	7,0/6,2	7,0/7,6
Triple window (1310/1490/1550 ± 20nm)	3,4/3,7	6,8/6	6,8/7,5
Dual window (1310/1550 ± 40nm)	3,3/3,6	6,6/5,8	6,6/7,4
Single window (1310 or 1550 ± 40nm)	3,2/3,4	6,5/5,6	6,5/7,2



Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide wavelength range
- Large operating temperature range
- Customized packaging and configuration
- Full Telcordia GR1209/1221 qualifications

Applications

- FTTX Systems
- LAN, WAN and Metro Networks
- Analog/Digital Passive Optical Networks
- CATV Networks
- Other applications in fiber optic systems

Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE

	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64
Operating wavelenght	1260nm - 1650nm				
Insertion loss, Max	7,4dB	10,7dB	13,7dB	16,9dB	20,5dB
Uniformity	0,6dB	0,8dB	1,2dB	1,7dB	2,5dB
PDL, Max	0,2dB	0,3dB	0,3dB	0,3dB	0,4dB
Operating temperature	-40+85 °C				