

# Single Mode Broadband Tree Fiber Coupler

ACCELINK TECHNOLOGIES CO.,LTD.



Accelink's Single Mode Broadband Tree Fiber Coupler (1×N,2×Nseries,N≥3)can operate in single-window or dual-window,and are featured with high stable and reliable performances. The products meet the Telcordia GR-1221-CORE requirements.

## Features

- Wide Bandwidth and Low Insertion
- Low Insertion Loss
- High Quality and Reliability

## Applications

- Fiber Distribution Network
- LAN
- CATV Network
- Test Equipment

## Specifications

Parameter	Unit	Value							
		Single window				Dual- window			
Operating wavelength	nm	1310 ±40/1550 ±40							
Port(1×N)		N=3	N=4	N=5	N=6	N=8	N=16	N=24	N=32
Fiber type		SMF-28e							
Insertion loss	dB	5.4 <sup>1</sup> /5.6 <sup>2</sup>	7.0 <sup>1</sup> /7.2 <sup>2</sup>	8.0 <sup>1</sup> /8.2 <sup>2</sup>	9.2 <sup>1</sup> /9.5 <sup>2</sup>	10.4 <sup>1</sup> /10.7 <sup>2</sup>	14.4 <sup>1</sup> /14.8 <sup>2</sup>	15.3 <sup>1</sup> /15.7 <sup>2</sup>	17.4 <sup>1</sup> /17.8 <sup>2</sup>
Uniformity	dB	0.5 <sup>1</sup> /0.6 <sup>2</sup>	0.7 <sup>1</sup> /0.8 <sup>2</sup>	1.1 <sup>1</sup> /1.2 <sup>2</sup>	1.3 <sup>1</sup> /1.5 <sup>2</sup>	1.5 <sup>1</sup> /1.7 <sup>2</sup>	1.7 <sup>1</sup> /2.0 <sup>2</sup>	2.0 <sup>1</sup> /2.3 <sup>2</sup>	2.2 <sup>1</sup> /2.5 <sup>2</sup>
Return loss	dB	>55							
Directivity	dB	>55							
PDL	dB	<0.20	<0.20	<0.30	<0.30	<0.30	<0.40	<0.50	<0.50
TDL	dB	<0.20	<0.20	<0.25	<0.25	<0.30	<0.40	<0.45	<0.50
Operation temperature	°C	-10~+70							
Storage temperature	°C	-40~+85							

Note: 1,Single Window 2,Dual-Window 3,All insertion loss referenced without connector loss, PDL and TDL.

## Package and Installation Dimension

	D	E	F	G	LGX	J	M	Rack
Package(mm)	112×80×10.5	130×90×15	100×80×10	140×102×15	1U   2U	133.5×96×18	150×110×19	19"
Installation(mm)	102×72×4Φ3.2	124×84×4Φ3.5	94×74×4Φ3.5	128×92×4Φ3.2		128.5×90×4Φ3	145×105×4Φ3.5	431×235×44
Box material	Plastics	Metal	Metal	Plastics	Metal	Metal	Metal	Metal
	N=2;3;4	N=3;4(Adapter)	N=2;3;4	N≤12	N≤4   N≤8 (Adapter)	N≤16	N≤32	N≤32(Adapter)

## Ordering information

WBC						
14:1×4 18:1×8 116:1×16 132:1×32 232:2×32	Single-Windpw 131:1310nm 155:1550nm Dual-Window 135:1310 & 1550nm	00:adapte (not for package E) 025:Φ0.25mm 09:Φ0.9mm 30:Φ3mm	00:adapter (not for package E) 1:1.0m	00:no connector FC,SC,LC,MU/PC,UPC,APC	Selected from the dimension tableD、E.....	
Port	Wavelength	Fiber Dia.	Fiber length	Connector	Package	