

1 x 2/2 x 2 FBT coupler multimode



Features

- Fiber based splitter for 850 nm and/or 1300 nm bands
- Low excess loss
- Low polarisation dependent loss (PDL)
- Excellent mechanical and environmental performance
- Telcordia GR-1209/GR-1221

Applications

- Telecommunication networks
- CATV networks data communication
- Network monitoring

Generic specifications*

Parameter	Unit	50/50	40/60	30/70	20/80	10/90	05/95	01/99
Operating wavelength	nm	850 nm ± 40 or 1300 nm ± 40 / 850 nm and 1300 nm ± 40						
Insertion loss	dB	≤ 4.0	≤ 5.0/3.0	≤ 6.3/2.4	≤ 8.1/1.7	≤ 11.6/1.2	≤ 15.0/1.0	≤ 22.8/0.8
Uniformity	dB	≤ 0.8	n/a					
PDL	dB	n/a						
Return loss	dB	≥ 40						
Directivity	dB	≥ 40						
Operating temperature	°C	-40 to +85						
Package dimension (Ø x L or L x W x H)	mm	Ø 3.0 x 54 or Ø 3.0 x 60			Ø 3.0 x 54 or Ø 3.0 x 60		90 x 20 x 9.5 or 85 x 18 x 6.5	
Input/output tail type	-	250 μm bare fiber			0.9 mm loose tube		0.9 mm loose tube or 2.0 mm cable	
Fiber type	-	50/125 μm or 62.5/125 μm						

* Without connector loss

Order code

1	2	-	3	4	5	6	-	7	8	-	9	10	-	11	-	12	/	13	-	14	15
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1	Splitter type
F	Fiber based splitter

2	Number of ports
1002	1 x 2
2002	2 x 2

3	Case type
D	Standard plastic hard case (with 0.9 mm loose tube or 2.0 mm cable)
E	Tubular case (with 250 µm bare fiber)
F	Tubular case (with 0.9 mm loose tube)

4	Operating wavelength
D	850 nm ±40, LED optimized
F	1300 nm ±40, LED optimized
H	850 nm ±40 and 1300 nm ±40, LED optimized

5	Fiber type – splitter quality grade
I	Multimode 50/125 µm – standard splitter grade
P	Multimode 62.5/125 µm – standard splitter grade

6	Splitting ratio
A	50:50
B	40:60
C	30:70
D	20:80
E	10:90
F	05:95
G	01:99

7	Lead type on input port
8	Lead type on output port
1	250 µm bare fiber (with tubular case code E only)
2	0.9 mm loose tube (with tubular case code F or standard plastic case code D)
3	2.0 mm cable (with standard plastic case code D only)

9	Lead length on input port
10	Lead length on output port
05	0.5 m
06	0.6 m
07	0.7 m
08	0.8 m
09	0.9 m
10	1.0 m
...	...
30	3.0 m

11	Ribbon length
00	No fan-out

12	Connector type on input port
13	Connector type on output port
	No connector available if input/output port with 250 µm bare fiber
00	No connector
20	ST-HQ
22	ST-Security
24	ST-LEAN
30	FC
70	SC
80	LX.5
85	LC ≤ 1.0 mm
8P	LC push-pull
90	LSH

14	Connector quality grade on input port
15	Connector quality on output port
K	No connector
M	Multimode (no connector available if input/output port with 250 µm bare fiber)