

# 1 x 2 dual band FBT coupler singlemode

HUBER+SUHNER standard items can be used for various applications and in different configurations.

The extended 0.9 mm loose tube input and output length of 2.0 m each side covers a wide range of different required tail lengths. This enables to dispose these H+S standard types for many different applications, by cutting the tails to the appropriate length and terminate the ends with connector types as needed.

The 0.9 mm loose tube can be terminated with all kind of H+S singlemode connectors or be used for direct splicing in a tray, cassette or 19 inch box.



## Features

- Fiber based splitter for 1310 nm and 1550 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

# 1 x 2 dual band FBT coupler singlemode

## Generic specifications\*

Parameter	Unit	50/50	40/60	30/70	20/80	10/90	05/95	01/99
Item no.	-	84075633	84075632	84075631	84075630	84075638	84075629	84075628
Operating wavelength	nm	1310 nm ±10 and 1550 nm ±10						
Insertion loss	dB	≤ 3.7	≤ 4.7/2.7	≤ 6.0/1.9	≤ 7.9/1.2	≤ 11.3/0.7	≤ 18.9/0.5	≤ 24.0/0.4
Uniformity	dB	≤ 1.0	n/a					
PDL	dB	≤ 0.15		≤ 0.2		≤ 0.3		
Return loss	dB	≥ 55						
Directivity	-	≥ 55						
Operating temperature	dB	-40 to +85						
Package dimension (Ø x L)	°C	Ø 3.0 x 54 or Ø 3.0 x 60						
Input/output tail length	mm	≥ 2000	≥ 2000	≥ 2000	≥ 2000	≥ 2000	≥ 2000	≥ 2000
Input/output tail type	mm	0.9 mm loose tube						
Input/output connector type	-	no connectors						

\* Without connector loss