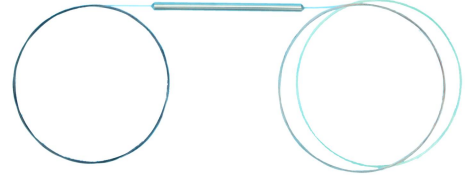


1×2 Single-mode Fiber Coupler (XHP-FBT1X2)

☆Product Description

The 1×2 single mode fiber coupler (XHP-FBT1X2), produced by XHP, features low insertion loss, high return loss, low PDL, as well as stable and reliable performance. It is suitable for fiber communication network, fiber sensing system, fiber test equipment, etc.

☆Product Picture



☆Product Specification

Type		1×2 SSC		1×2 DWC			
Parameters							
Central Wavelength (nm)		1310/1550/others		1310/1550		1310/1550	
Wavelength Range (nm)		±15		±40		±80	
Grade		P	A	P	A	P	A
Additional Loss (dB)		≤0.07	≤0.10	≤0.07	≤0.10	≤0.07	≤0.10
Insertion Loss (dB)	50/50	≤3.3	≤3.4	≤3.60	≤3.80	≤3.80	≤4.00
	40/60	≤4.4/2.6	≤4.7/2.8	≤4.7/2.7	≤4.9/2.9	≤5.0/2.8	≤5.2/3.0
	30/70	≤5.7/1.9	≤6.0/2.0	≤6.0/1.9	≤6.3/2.1	≤6.4/2.0	≤6.7/2.2
	20/80	≤7.6/1.25	≤8.0/1.35	≤7.9/1.3	≤8.4/1.4	≤8.3/1.3	≤8.7/1.5
	10/90	9.2~ 10.7 /≤0.65	9.0~11.2 /≤0.80	9.2~11.2 /≤0.75	8.8~11.4 /≤0.80	9.5~11.05 /≤0.75	8.75~11.45 /≤0.80
	5/95	12.0~ 13.85 /≤0.40	11.75~14.45 /≤0.50	12.05~ 14.15 /≤0.40	11.60~14.60 /≤0.50	12.0~14.25 /≤0.45	11.50~14.70 /≤0.50
	2/98	15.7~ 18.5 /≤0.25	15.35~ 18.85 /≤0.35	15.75~ 18.45 /≤0.30	15.15~19.0 /≤0.40	15.60~18.60 /≤0.30	14.95~19.20 /≤0.40
	1/99	18.55~ 21.5 /≤0.20	18.15~22.0 /≤0.30	18.60~ 21.60 /≤0.25	17.95~22.25 /≤0.35	18.35~21.85 /≤0.25	17.60~22.55 /≤0.30
Polarization Dependent Loss (PDL) (dB)		≤0.10	≤0.15	≤0.15	≤0.20	≤0.15	≤0.20
Return loss (dB)		≥55					
Operating Temperature (°C)		-5~+70					
Storage Temperature (°C)		-40~+85					

Type Parameters		1×2 TWC		1×2 WBC			
Central Wavelength (nm)		1310/1490/1550		1310/1550/1590/C+L		C or L	
Wavelength Range (nm)		±40 (1490±10)		±40		1528~1565 或 1570~1605	
Grade		P	A	P	A	P	A
Additional Loss (dB)		≤0.07	≤0.10	≤0.07	≤0.10	≤0.07	≤0.10
Insertion Loss (dB)	50/50	≤3.60	≤3.80	≤3.40	≤3.60	≤3.35	≤3.50
	40/60	≤4.7/2.7	≤4.9/2.9	≤4.4/2.6	≤4.7/2.8	≤4.4/2.55	≤4.6/2.7
	30/70	≤6.0/1.9	≤6.3/2.1	≤5.7/1.9	≤6.0/2.0	≤5.7/1.85	≤5.9/1.95
	20/80	≤7.9/1.30	≤8.4/1.40	≤7.6/1.25	≤8.0/1.3	≤7.55/1.25	≤7.8/1.3
	10/90	9.2~11.0 /≤0.75	8.8~11.40 /≤0.80	9.55~10.65 /≤0.65	9.3~10.9 /≤0.80	9.55~10.60 /≤0.65	9.35~10.85 /≤0.80
	5/95	12.05~ 14.2 /≤0.40	11.55~14.65 /≤0.50	12.4~13.80 /≤0.40	12.10~14.10 /≤0.50	12.45~13.75 /≤0.40	12.15~14.05 /≤0.45
	2/98	15.60~ 18.55 /≤0.30	15.00~ 19.20 /≤0.40	16.10~ 18.05 /≤0.25	15.70~18.45 /≤0.35	16.20~17.95 /≤0.25	15.80~18.35 /≤0.30
	1/99	18.45~ 21.7 /≤0.25	17.8~22.4 /≤0.35	19.05~ 21.15 /≤0.20	18.55~21.65 /≤0.30	19.10~21.10 /≤0.20	18.65~21.55 /≤0.30
Polarization Dependent Loss (PDL) (dB)		≤0.15	≤0.20	≤0.10	≤0.15	≤0.10	≤0.15
Return loss (dB)		≥55					
Operating Temperature (°C)		-5~+70					
Storage Temperature (°C)		-40~+85					

☆Ordering Information

Product Model	Explain	Options
XXX	Device Type	XHP-SSC / DWC / TWC / WBC
X	Grade	P=P grade, A=A grade, S=Customization
X	Port Type	1=1×2, 2=2×2
XXXX	Central Wavelength	1550=1550nm, 1310=1310nm, 1310/1550=1310nm/1550nm
XX	Splitting Ratio	01=1/99, ... 05=5/95 ..., 50=50/50
X	Fiber Type	0=SMF-28e, 2=others
XXXX	Pigtail Type	250=250μm, 900=900μm, 2000=2.0mm, 3000=3.0mm
XX	Interface Type	FA=FC/APC, FU=FC/UPC, SA=SC/APC, SU=SC/UPC, LA=LC/APC, LU=LC/UPC, N=None
X	Fiber Length	L1=1m, S=Customization
XXXX	Package Size	3×40=3×40mm, 3.0×54=3×54mm, 90×20×10=90×20×10mm

E.g: XHP-DWC-P-1-1310/1550-50-0-250-N-L1-3×54

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