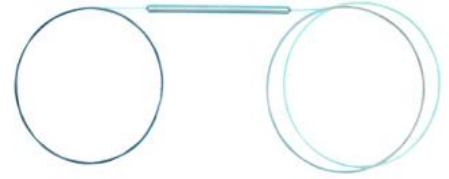


## 1X2 Single Mode Optical Fiber Coupler

### ☆ Features

- Low Insertion Loss
- High Return Loss
- Low Correlation Polarization Loss
- High Stability&Reliability



### ☆ Applications

- Optical fiber communication network
- Power distribution of high power optical fiber amplifier(YEDFA)
- Fiber optic sensor system
- Fiber optic instrumentation

### ☆ Specifications

Type Parameters		1×2 SSC		1×2 DWC			
		P	A	P	A	P	A
Center 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	≤3.4	≤3.6	≤3.6	≤3.8	≤3.8	≤4.0
	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	9.2~11.0 /≤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	12.0~14.2 /≤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
Correlation polarization Loss ( dB )		≤0.10	≤0.15	≤0.15	≤0.20	≤0.15	≤0.20
Return Loss ( dB )		≥55					
Operating Temperature ( °C )		-40~+85					

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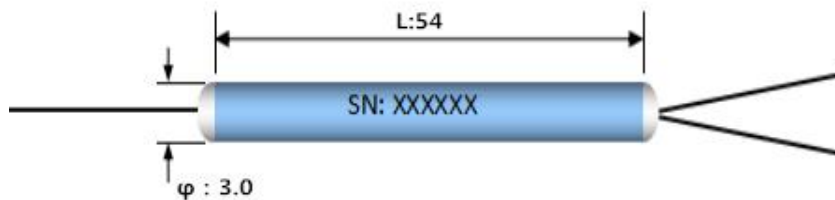
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Type 参数 Parameters	1×2 TWC		1×2 WBC				
Center Wavelength (nm)	1310, 1490, 1550		1310, 1550 or C+L		C or L		
Wavelength Range (nm)	±40 (1490±10)		±40		1528~1565 or 1570~1605		
Grade	P	A	P	A	P	A	
Additional Loss ( dB )	≤0.07	≤0.10	≤0.07	≤0.10	≤0.07	≤0.10	
Insertion Loss ( dB )	50/50	≤3.6	≤3.8	≤3.4	≤3.6	≤3.35	≤3.5
	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
Correlation polarization Loss ( dB )	≤0.15	≤0.20	≤0.10	≤0.15	≤0.10	≤0.15	
Return Loss ( dB )	≥55						
Operating Temperature ( °C )	-40~+85						

☆ Package Dimensions



☆ Package Information

Device Configuration	1×2 / 2×2		
Fiber Length	1M / Specified		
Pigtail Type	250μm Bare Fiber	900μm Pine Casing	900μm/2mm/3mm Pine Casing
Dimension (D×L)	3.0×54mm	3.0×54mm	90×14×8.5mm
	2.4×42mm		

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☆ Ordering Information

Device ID	Explain	Option		
XXX	The Device Type	SSC / DWC / TWC/ WBC		
X	Grade	P=Perfect	A=A Grade	S=Specified
X	Port Type	1=1X2	2=2X2	
XXXX	Center Wavelength	1550=1550nm	1310=1310nm	
		1310/1550=1310nm/1550nm		
XX	Coupling 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	Connector Type	FA=FC/APC	FU=FC/UPC	SA=SC/APC
		SU=SC/UPC	LA=LC/APC	LU=LC/UPC
		N=None		
XXXX	Package Dimensions	2.4X42=2.4X42mm		3.0x54=3x54mm
		90x14x8.5=90x14x8.5mm		

Example: DWC-P-1-1310/1550-05-0-250-FA-3.0×54