

## 1X3/1X4 Single Mode Fiber Coupler

### ☆ Features

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



### ☆ Applications

- Optical Fiber Communication Network
- Fiber optic sensor system
- Fiber optic instrumentation
- Power Distribution Of High power optical fiber amplifier(YEDFA)

### ☆ Specifications

Type	1×3 SSC		1×3 WBC		1×3 DWC		3×3 SSC		3×3 WBC	
Parameters										
Center Wavelength (nm)	1310 / 1550						1310 / 1550			
Wavelength Range(nm)	±15		±40		±40		±15		±40	
Grade	P	A	P	A	P	A	P	A	P	A
Additional Loss ( dB )	≤0.10	≤0.15	≤0.10	≤0.15	≤0.10	≤0.15	≤0.10	≤0.15	≤0.10	≤0.15
Insertion Loss ( dB )	≤5.40	≤5.70	≤5.60	≤6.00	≤5.80	≤6.20	≤5.60	≤5.80	≤5.80	≤6.20
Correlation Polarization Loss ( dB )	≤0.20	≤0.25	≤0.20	≤0.25	≤0.25	≤0.30	≤0.25	≤0.30	≤0.25	≤0.30
Heterogeneity ( dB )	≤0.80	≤0.12	≤1.00	≤1.40	≤1.20	≤1.50	≤1.00	≤1.40	≤1.30	≤1.60
Return Loss ( dB )	≥55									
Operating Temperature	-40~+85									

Type	1×4 SSC		1×4 WBC		1×4 DWC		1×4 TWC	
Parameters								
Center Wavelength (nm)	1310 / 1550				1310 、 1550		1310 、 1490、 1550	
Wavelength Range (nm)	±15		±40		±40		±40 (1490±10)	
Grade	P	A	P	A	P	A	P	A
Additional Loss ( dB )	≤0.15	≤0.25	≤0.20	≤0.30	≤0.30	≤0.40	≤0.30	≤0.40
Insertion Loss ( dB )	≤7.00	≤7.40	≤7.10	≤7.40	≤7.20	≤7.50	≤7.20	≤7.50
Correlation Polarization Loss ( dB )	≤0.20	≤0.25	≤0.20	≤0.25	≤0.25	≤0.30	≤0.25	≤0.30
Heterogeneity ( dB )	≤1.00	≤1.40	≤1.20	≤1.60	≤1.40	≤1.80	≤1.40	≤1.80
Return Loss ( dB )	≥55							
Operating Temperature	-40~+85							

**Address:** 5F, Building 2, Invengo Industrial Park, TongGuan Road, GongMing Street, GuangMing New District ShenZhen, China

**Website:** [www.szoscom.com](http://www.szoscom.com)

**Phone:**+86-755-83118073

**Fax:** +86-755-83272391

**E-mail:** sales@szoscom.com

☆ Package Dimension



☆ Package Information

Device Configuration		1x3/3x3	1x4
Dimension (D×L)	250μm Bare Fiber	Φ 3.0×54	
	900μm Pine Casing	Φ 3.0×35	
Fiber Length		Φ 4.0×60/Specified	Φ 4.0×65/Specified
		1M / Specified	

☆ 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=1X3	2=3X3	3=1X4
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	S=Specified	
XXX	Pigtail Type	250=250μm 3000=3.0mm	900=900μm	2000=2.0mm
XX	Connector Type	FA=FC/APC SU=SC/UPC N=None	FU=FC/UPC LA=LC/APC	SA=SC/APC LU=LC/UPC
XX * XX	Package Dimensions	2.4X42=2.4X42mm 90x14x8.5=90x14x8.5mm		3.0x54=3x54mm

Example : DWC-P-3-1310/1550-50-0-250-FA-3.0×54

Address: 5F, Building 2, Invengo Industrial Park, TongGuan Road, GongMing Street, GuangMing New District ShenZhen, China

Website: [www.szoscom.com](http://www.szoscom.com)

Phone:+86-755-83118073

Fax: +86-755-83272391

E-mail: sales@szoscom.com