

## Fiber Optic Coupler / Splitter

### Features

- Low Insertion Loss
- High Directivity
- Excellent Uniformity
- Low PDL



### Applications

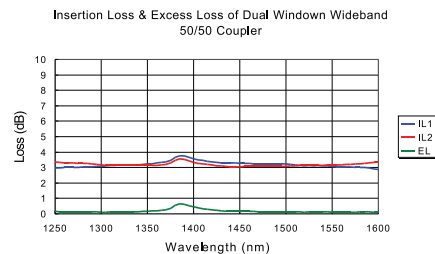
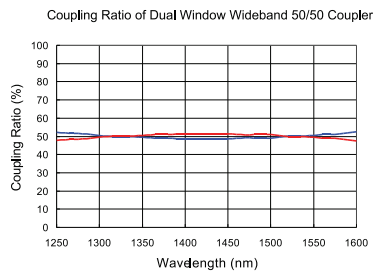
- Telecommunications
- Subscriber's network Equipment
- CATV & LAN
- Fiber optic sensing

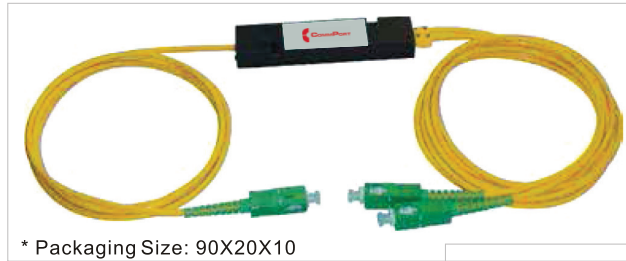


### Specification

Parameter	Sing Mode Single Window (1310 or 1550)						Single Mode Dual Window (1310 & 1550)					
	1X2		1X4		1X8		1X2		1X4		1X8	
	P	A	P	A	P	A	P	A	P	A	P	A
Bandwidth (nm)	±20						±40					
I.L. (dB)	3.2	3.4	6.5	6.8	10	10.5	3.3	3.4	6.6	6.9	10.1	10.6
E.L. (dB)	0.1	0.2	0.3	0.4	0.6	0.7	0.15	0.3	0.4	0.5	0.7	0.8
Uniformity (dB)	0.2	0.4	0.4	0.8	0.8	1.4	0.2	0.4	0.4	0.8	0.8	1.4
Directivity (dB)	> 55											
PDL (dB)	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2
Operating Temp.	-20 ~ 75 °C											
Storage Temp.	-40 ~ 85 °C											

### Spectrum Diagram





\* Packaging Size: 90X20X10



\* Packaging Size: 90X12X10

## Specification

Coupling Ratio	Insertion Loss (dB)			
	1310 or 1550		1310 & 1550	
Grade	Premium	A Grade	Premium	A Grade
50/50	3.2	3.4	3.3	3.5
45/55	3.7/2.8	3.9/2.9	3.8/2.9	4.0/3.1
40/60	4.2/2.4	4.4/2.6	4.3/2.5	4.5/2.7
35/65	4.8/2.0	5.0/2.2	4.9/2.1	5.1/2.3
30/70	5.5/1.7	5.7/1.9	5.6/1.8	5.8/2.0
25/75	6.3/1.4	6.6/1.6	6.4/1.5	6.7/1.7
20/80	7.3/1.1	7.6/1.3	7.4/1.2	7.8/1.4
15/85	8.6/0.9	9.1/1.0	8.7/1.0	9.2/1.1
10/90	10.6/0.6	11.2/0.8	10.7/0.7	11.3/0.9
5/95	14.1/0.4	15.4/0.5	14.2/0.5	15.5/0.6
1/99	21.5/0.2	21.7/0.3	22.4/0.3	23.2/0.4

Notes: 1. All measurements were done at room temperature, and specifications exclude connectors  
2. S: Standard, P: Premium

## Part No. Legend

SP - 00 - 00 - 000 - 00

Splitter	Connector Type		Splitter Type		Configuration		I/O Cable length	
SP	FC	FC	Rack Mount	RM	1X2	102	1 meter	01
	LC	LC	Wallmount	WM	1X4	104	1.5 meter	1.5
	SC	SC	PLC type	PL	1X8	108	2 meter	02
	ST	ST	Pole Mount	PM	1X16	116	3 meter	03
	E2000	E2000			1X32	132	Modules	NM
	MTRJ	MJ			1X64	164	Custom	XX
	FC ANGLED	FCA			2X2	202		
	LC ANGLED	LCA			2X4	204		
	SC ANGLED	SCA			2X8	208		
	ST ANGLED	STA			2X16	216		
					2X32	232		
					2X64	264		