

## OPC- 1x2 FBT Coupler

### Features:

Low insertion loss, low PDL  
High credibility and stability  
Industry standard and custom housing available  
Various coupling ratio and connector available

### Application:

Optical communication system  
CATV System  
System and signal monitoring  
Fiber to the home (FTTH)



### Specification:

Parameter	SM-DW-1X2 COUPLER						
	%	90 10	80 20	70 30	60 40	50 50	
Coupling Ratio							
Operating Wavelength	nm	1310 , 1550nm					
Operating Bandwidth	nm	±40					
Insertion Loss	dB	≤0.8 ≤11.5	≤1.4 ≤8.2	≤2.1 ≤6.3	≤2.8 ≤4.8	≤3.8 ≤3.8	
TDL (Max)	dB	≤0.15					
PDL (Max)	dB	≤0.2					
Directivity	dB	≥55					
Return loss	dB	≥55					
Operating Temperature	°C	-40~+85					
Cable Type/Connector Type		Customized					
Packaging Dimension		A B C S					
Qualifications		Telcordia GR-1221					

*Specifications may change without notice*

### Order Information:

#### OPC-①-②-③-④-⑤-⑥-⑦

##### ①Operating wavelength

31=1310nm  
55=1550nm  
35=1310nm and 1550nm  
SS=Special

##### ②Port

12=1x2  
22=2x2

##### ③Coupling Ratio

01=01/99  
05=05/99  
10=10/90  
20=20/80  
30=30/70  
40=40/60  
50=50/50  
S=Special

##### ④Grade

P=P Grade  
A=A Grade

##### ⑤Packaging Dimension

A=∅ 3.0X45+250um bare fiber  
B=∅ 3.0X54+900um tube  
C=ABS(90x20x10)+2mm/3mm Cable  
S=Special

##### ⑥Fiber length

A=0.5 Meter  
B=1.0 Meter  
C=Customized

##### ⑦Connector Type

0=None  
1=FC/UPC  
2=FC/APC  
.....  
C=Customized