

1×2 or 2×2 Dual Window Coupler (DWC)

Applications:

- ✧ Optical communication systems
- ✧ CATV
- ✧ FTTX
- ✧ Testing instruments



Specifications

		Dual Window Coupler (DWC)			
Grade		P	A	P	A
Port configuration		1x2 or 2x2			
Operating wavelength(nm)		1310 and 1550			
Operating bandwidth(nm)		±40		±80	
Typical excess loss(dB)		0.07	0.1	0.07	0.1
Insertion Loss(dB)	50/50	≤3.6	≤3.8	≤3.8	≤4.0
	40/60	≤4.7/2.7	≤4.9/2.9	≤5.0/2.8	≤5.2/3.0
	30/70	≤6.0/1.9	≤6.3/2.1	≤6.4/2.3	≤6.7/2.2
	20/80	≤7.9/1.3	≤8.4/1.4	≤8.3/1.3	≤8.7/1.5
	10/90	9.2~11.2/≤0.75	8.8~11.4/≤0.8	9.15~11.05/≤0.75	8.75~11.45/≤0.8
	5/95	12.05~14.15/≤0.4	11.6~14.6/≤0.5	12.0~14.25/≤0.45	11.5~14.7/≤0.5
	2/98	15.75~18.45/≤0.3	15.15~19.0/≤0.4	15.6~18.6/≤0.3	14.95~19.2/≤0.4
	1/99	18.6~21.6/≤0.25	17.95~22.25/≤0.35	18.35~21.85/≤0.25	17.6~22.55/≤0.35
PDL(dB)		0.15	0.20	0.15	0.20
Directivity (dB)		≥55			
Operating temperature (°C)		-40 ~ +85			
Package Dimension		250μm bare fiber: Φ3.0×45mm 900μm loose tube: Φ3.0×54mm 900um/2mm/3mm loose tube: 90×20×10mm			

*The above specification is without connector.

**Other specifications can be made on customer request.



Ordering Information

DWC	X	XXX	XXXX	XX/XX	X	X	XXX	XX/XX
	Grade	Port number	Operating Wavelength	Coupling Ratio	Pigtail Type	Encapsulation steel tube	Fiber Length	Connector
	P=Perfect	1×2	1315=1310 & 1550	01/99	0=250um	3.0×45	1m	FC/UPC
	A=Grade A	2×2		02/98	1=900um	3.0×54	1.5m	FC/APC
	X=customized			03/97	4=others		2m	SC/UPC
		