

1×2 or 2×2 Wide Band Coupler (WBC)

Applications:

- Optical communication systems
- CATV
- Local Area Networks
- Testing instruments



Specifications

		Wide Band Coupler (WBC)			
Grade		P	A	P	A
Port configuration		1x2 or 2x2			
Operating wavelength (nm)		1310 ,1550 or C+L Band		C Band or L Band	
Operating bandwidth (nm)		±40		1528~1565 or 1570~1605	
Typical excess loss (dB)		0.07	0.1	0.07	0.1
Insertion Loss (dB)	50/50	≤3.4	≤3.6	≤3.35	≤3.5
	40/60	≤4.4/2.6	≤4.7/2.8	≤4.4/2.55	≤4.6/2.7
	30/70	≤5.7/1.9	≤6.0/2.0	≤5.7/1.85	≤5.9/1.95
	20/80	≤7.6/1.25	≤8.0/1.3	≤7.55/1.25	≤7.8/1.3
	10/90	9.55~10.65/≤0.65	9.3~10.9/≤0.8	9.55~10.60/≤0.65	9.35~10.85/≤0.8
	5/95	12.40~13.80/≤0.4	12.10~14.10/≤0.5	12.45~13.75/≤0.4	12.15~14.05/≤0.45
	2/98	16.10~18.05/≤0.25	15.70~18.45/≤0.35	16.2~17.95/≤0.25	15.80~18.35/≤0.3
	1/99	19.05~21.15/≤0.2	18.55~21.65/≤0.3	19.1~21.1/≤0.2	18.65~21.55/≤0.3
PDL (dB)		≤0.10	≤0.15	≤0.10	≤0.15
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

WBC	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	1310=1310	01/99	0=250um	3.0×45	1m	FC/UPC
	A=Grade A	2×2	1550=1550	02/98	1=900um	3.0×54	1.5m	FC/APC
	X=customized		1528~1565 or 1570~1605	03/97	4=others		2m	SC/UPC
		

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