

## 1×2 or 2×2 All Band Coupler (ABC)

### Applications:

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



### Specifications

		All Band Coupler (ABC)	
Grade		P	A
Port configuration		1x2 or 2x2	
Operating Wavelength (nm)		1260~1620	
Typical excess loss (dB)		0.07	0.10
Insertion Loss (dB)	50/50	≤3.8	≤4.0
	40/60	≤5.1/3.1	≤5.3/3.3
	30/70	≤6.4/2.3	≤6.7/2.5
	20/80	≤8.3/1.7	≤8.8/1.8
	15/85	≤9.9/1.4	≤10.1/1.50
	10/90	9.10~11.10≤1.15	8.65~11.50≤1.25
	5/95	11.90~14.30≤0.8	11.40~14.80≤0.9
	2/98	15.45~18.75≤0.7	14.75~19.40≤0.8
	1/99	18.25~21.95≤0.65	17.50~22.70≤0.75
PDL (dB)		≤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

ABC	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	1260~1620	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
			...	...			...	...