

# All Band Coupler (ABC)

## Description

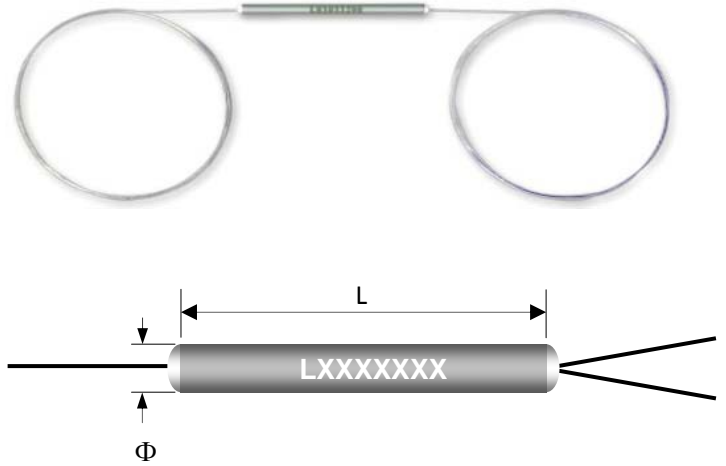
All Band coupler (ABC) is built by Special technique. The operating bandwidth of the coupler is expanded to 1260-1620nm, and with low excess loss and low PDL.

## Key Features

- Low excess loss
- Low PDL
- All Band operating Wavelength
- High stability and reliability

## Applications

- Optical communication systems
- CATV
- FTTH



## Specifications

Parameter		Type	All Band Coupler	
		Grade	P	A
Operating Wavelength(nm)		1260-1620		
Typical excess loss (dB)		0.07		0.1
Insertion loss (dB)	50/50	≤3.8		≤4.0
	45/55	≤4.45/3.45		≤4.65/3.65
	40/60	≤5.1/3.1		≤5.3/3.3
	35/65	≤5.7/2.7		≤5.95/2.90
	33/67	≤6.0/2.55		≤6.25/2.75
	30/70	≤6.4/2.3		≤6.7/2.5
	25/75	≤7.4/2.0		≤7.65/2.2
	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
	3/97	13.85~16.75/≤0.75		13.30~17.35/≤0.85
	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		

\*The above specification is without connector.

\*\*Other specifications can be made on customer request.

\*\*\*Insertion Loss around 1383nm (water peak) is counted in the specifications above.

**Package Information**

Configuration	1×2 or 2×2		
Fiber lead length	1 meter, others on request		
Fiber type	250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
Dimensions (Φ×L)	Φ3.0mm×54mm	Φ3.0mm×54mm	90mm×14mm×8.5mm
	Φ2.4mm×42mm		

\*Other package dimensions can be made on customer request.

**Ordering Information**

ABC-X-XXX-XXX-XX/XX-X-X-XX/XXX-XX\*XX

