

All Band Coupler (ABC)

1. 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.

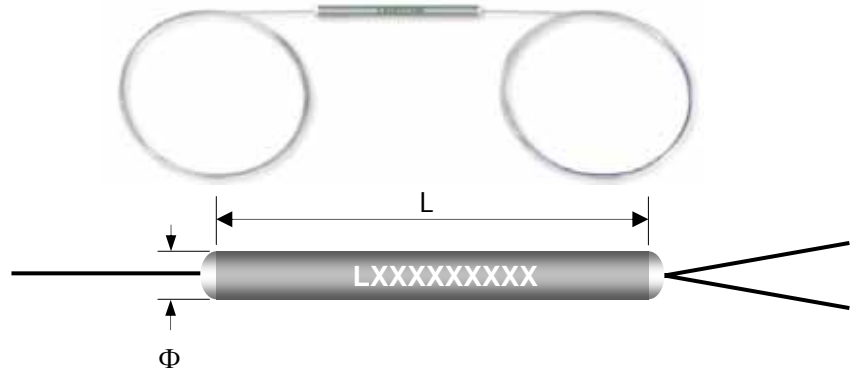
2. Features:

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

3. Applications:

- * Optical communication systems
- * CATV
- * FTTH

4. Specifications:



Parameter		Type	All Band Coupler	
			P	A
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
	40/60		≤5.1/3.1	≤5.3/3.3
	30/70		≤6.4/2.3	≤6.7/2.5
	20/80		≤8.3/1.6	≤8.8/1.8
	10/90		≤11.5/1.05	≤12.2/1.2
	5/95		≤14.6/0.8	≤15.5/0.9
	3/97		≤17.0/0.75	≤17.7/0.85
	2/98		≤18.8/0.7	≤19.5/0.8
	1/99		≤22.5/0.65	≤23.5/0.75
PDL (dB)			≤0.15	≤0.2
Directivity (dB)			≥55	
Operating temperature ()			-40 ~ +85	

*The above specification is without connector.

**Other specifications can be made on customer request.

***Insertion Loss around 1380nm (water peak) is counted in the specifications above.

5. 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.

6. Product Ordering Information:

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

