

## Mini Size Wide Band Coupler (WBC)



### Key Features

- Mini size
- Low excess loss
- Low PDL
- High stability and reliability

### Applications

- Mini size EDFA
- Mini size transmitter/receiver module
- Optical communication systems
- Testing instruments

### Compliance

- Telcordia GR1209
- Telcordia GR1221

## Specifications

Parameter \ Type	Mini Size Wide Band Coupler (WBC)				
Operating wavelength (nm)	1310 or 1550, others on request				
Operating bandwidth (nm)	±40				
Package size (Φ×L) mm	Φ3.0/Φ2.4×30		Φ2.4×25		
Grade	P	A	P	A	
Typical excess loss (dB)	0.10	0.15	0.15	0.25	
Insertion Loss (dB)	50/50	≤3.5	≤3.7	≤3.6	≤3.8
	40/60	≤4.5/2.7	≤4.8/2.9	≤4.6/2.8	≤4.9/3.0
	30/70	≤5.8/2.0	≤6.1/2.1	≤5.9/2.1	≤6.3/2.2
	20/80	≤7.70/1.25	≤8.0/1.3	≤7.8/1.3	≤8.2/1.4
	10/90	9.55~10.85/≤0.7	9.25~11.15/≤0.85	9.6~10.90/≤0.75	9.3~11.20/≤0.85
	5/95	12.4~14.0/≤0.45	12.1~14.35/≤0.55	12.45~14.05/≤0.5	12.15~14.4/≤0.55
	3/97	14.5~16.35/≤0.35	14.1~16.75/≤0.45	14.55~16.4/≤0.4	14.15~16.8/≤0.45
	2/98	16.15~18.25/≤0.3	15.65~18.7/≤0.35	16.0~18.8/≤0.35	15.65~19.15/≤0.4
1/99	19.05~21.35/≤0.25	18.55~21.85/≤0.3	19.1~21.4/≤0.3	18.6~21.9/≤0.35	
PDL (dB)	≤0.10	≤0.15	≤0.10	≤0.15	
Directivity (dB)	≥50				
Operating temperature (°C)	-40 ~ +85				

\*The above specification is without connector

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



## Package Information

Configuration	1×2 or 2×2	
Fiber lead length	1 meter, others on request	
Fiber type	250μm bare fiber	
Dimensions (Φ×L)	Φ3.0/Φ2.4×30	Φ2.4×25

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

## Ordering Information

**WBC - X-XXX-XXXX-XX/XX-X-X-XXX-XX/XX**

