



## C/L Band Tap Wide Band Coupler (WBC)



### Overview:

C/L band tap wide band coupler (WBC) uses unique expanding bandwidth techniques (asymmetric techniques) to achieve low WDL in EDFA C band or L band.

### Features:

- \* Low excess loss
- \* Low PDL
- \* Low WDL
- \* High stability and reliability

### Applications:

- \* Optical communication systems
- \* EDFA
- \* Testing instruments

**Specification:**

Grade		P	A
Parameter			
Operating wavelength(nm)		C Band o L Band	
Operating bandwidth(nm)		1528~1565 or 1570~1605	
Typical excess loss(dB)		0.07	0.10
Insertion loss (dB)	5/95	≤14.0/0.4	≤14.5/0.45
	2/98	≤18.0/0.25	≤18.5/0.3
	1/99	≤21.5/0.2	≤22.0/0.25
PDL (dB)	5/95	≤0.10/0.08	≤0.15/0.15
	2/98	≤0.13/0.08	≤0.15/0.15
	1/99	≤0.15/0.08	≤0.15/0.15
Directivity(dB)		≥55	
Operating temperature(°C)		-40 ~ +85	

\*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	250 μm bare fiber	900 μm loose tube	900 μm/2mm/ 3mm loose tube
Dimensions (φ × L)	φ 3.0mm × 54mm	φ 3.0mm × 70mm	90mm × 14mm × 3.5mm
	φ 2.4mm × 42mm	φ 3.0mm × 54mm	
	φ 2.4mm × 30mm		

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

**Ordering Information:**

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

