

## Single Mode Broadband Fiber Coupler

Please notice that we also make customerized fiber coupler for other wavelength, for example 1060nm coupler. If you have a requirement for customer made fiber coupler please contact us.

The single mode broadband fiber couplers are used to split light with minimal loss from one into two fibers or to combine light from two fibers into one fiber. We do offer both single-window and dual-window broadband couplers. They are designed and manufactured to meet the Bellcore GR-1209-CORE requirements.

### Features of our WBC:

- Wide bandwidth
- Low excess loss
- Excellent performance
- High reliability and stability

### Applications for our WBC:

- Telecommunications
- Access network
- CATV network
- Optical Amplifier

### Specifications:

Parameter	Unit	Value		
Operating wavelength	nm	C or L	1310+/-40	1310+/-40 & 1550+/-40
Split Ratio		1/99 ~ 50/50	1/99~50/50	1/99~50/50
Fiber type		SMF-28	SMF-28	SMF-28
Return loss	dB	>50	>50	>50
Directivity	dB	>55	>55	>55
PDL	dB	<0.1	<0.1	<0.15
TDL	dB	<0.1	<0.1	<0.1
Operating temperature	°C	-10~+70	-10 ~ +70	-10~+70
Storage temperature	°C	-40~+85	-40 ~ +85	-40~+85

C band: 1528nm-1565nm, L Band: 1569nm-1605nm

Insertion Loss	C or L		1310+/-40		1310+/-40&1550+/-40	
	Tap	Signal	Tap	Signal	Tap	Signal

**Ordering Information:**

- Coupling Ratio: Customized
- Input/Output: Diam. 0.25mm Fiber, Adatpor, or Connector (FC, SC, or ST)
- Grade: Premium (P) or Grade A (A)

**We have unbeatable price for this product.**

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)