

## Polarization Maintaining Coupler

Polarization Maintaining Fiber Coupler is used to split or combine linearly polarized signals between two or more fibers. Using fused bitorial taper technology, it features low excess loss and high polarization extinction ratio, the device is designed and manufactured to meet Bellcore GR-1209-CORE requirements.



### Features

- Wide Bandwidth
- Low Excess Loss
- High polarization extinction ratio
- High Stability and Excellent Reliability

### Applications

- Optical sensors
- Optical gyroscope
- Optical Amplifier

### Specifications

Item	Unit	Specifications			
Center Wavelength	nm	1310 , 1550			
Operating Bandwidth	nm	±40			
Excess Loss	dB	≅ 0.60			
		Ratio	IL	ER(P)	ER(A)
Insertion Loss & Extinction Ratio	dB	99/01	≅ 22.0 / 0.45	≅ no/20	≅ no/18
		95/05	≅ 14.5 / 0.90	≅ 18/20	≅ 16/20
		90/10	≅ 11.5 / 1.20	≅ 20	≅ 18
		80/20	≅ 8.10 / 1.70	≅ 20	≅ 18
		70/30	≅ 6.10 / 2.30	≅ 20	≅ 18
		60/40	≅ 5.20 / 3.20	≅ 20	≅ 18
		55/45	≅ 4.50 / 3.60	≅ 20	≅ 18
		50/50	≅ 3.80	≅ 20	≅ 18
Return Loss	dB	≅ 55			
Directivity	dB	≅ 55			
Operating Temperature	°C	0 to +70			
Storage Temperature	°C	-40 to +85			
Fiber Type		Panda PM Fiber			

### Ordering Information

