

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

