

## Polarization Maintaining Couplers

All-Fiber fused Biconical tapered configuration



### FEATURES:

- All-fiber configuration
- Low Loss
- Nearly Zero Back reflection
- Low cost
- High power handling
- High Extinction ratio

### APPLICATIONS:

- Optical Networks
- Raman pump laser
- Optical fiber sensors
- Undersea System
- EDFAs
- Test and Measurement Instruments

Optical Fiber Couplers are reliable passive devices for splitting optical signal in a number of optical network applications. FiberLogix manufactures All-Fiber couplers from proven fused technology with variety of optical performance at different wavelengths to fulfill system designer's requirements. These compact devices provide low insertion loss, extremely low back reflection, good extinction ratio and stability over a variety of environmental conditions. In house process expertise allows extremely tight control on the optical performance, quality and reliability. These devices are designed to meet Telcordia standards GR 1209 and GR 1221.

### SPECIFICATIONS:

Wavelength range nm	1300, 1480 and 1550
Fiber configuration	1x2, 2x2 and 1x3
Extinction Ratio(cross talk) dB	Typical 20, Max 23
Wavelength Dependent loss dB	0.1 (through) and 0.3 (cross)
Coupling Ratio	1, 5, and 50%
Insertion Loss (typ) dB	0.7
Directivity dB	>55
Return Loss dB	>70
Operating temp.	-5°C to 85°C
Storage temp.	-40°C
Fiber type	PM Panda fiber
Pigtail option	1m fiber standard, 900um optional

### Ordering information:

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					<b>Fiber configuration:</b>		<b>Wavelength:</b>		<b>Coupling Ratio:</b>		<b>Fiber type:</b>		<b>Connectors:</b>		
					12 - 1x2 22 - 2x2 13 - 1x3		13 - 1300nm 14 - 1480nm 15 - 1550nm		01 - 1% 05 - 5% 50 - 50%		25 - 250um bare fiber 90 - 900um loose tube		1 - FC/PC 2 - FC/APC		

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