



CP Series Polarization Maintaining Coupler Data Sheet

MaJoR Fiber Optics Polarization Maintaining Couplers/ Splitters provide a solution to applications where high polarization extinction ratio is required. The product is available in a range of split ratios and package types.

Applications

- **Optical Gyroscopes**
- **Telecommunication Networks**
- **Passive Optical Networks**
- **Test & Measurement Systems**
- **PM Lasers**
- **Sensors**

MaJoR Fiber Optics, Inc.

1549 Old Barn Rd.
Bartlett, IL 60103

Phone: 630/483-2061

Fax: 630/483-2072

E-Mail:

info@majorfiberoptics.com

Web:

www.majorfiberoptics.com

- Singlemode applications, 1310nm or 1550nm
- Optical performance 100% factory tested
- Tuned FC/UPC, and FC/APC connectorized products available
- Low Insertion loss and low Back Reflection
- High Extinction Ratio
- Panda or Tiger PM Fiber
- High temperature performance
- Environmentally stable
- Small package sizes

Center Wavelength		Customer Specified
Operating Wavelength (nm)		Center ± 10nm
Coupling Ratio	1% to 10% ± 0.3%	15% to 33% ± 3%
	35% to 50% ± 5%	
Excess Insertion Loss (dB)	(incl. TDL) Slow Axis Input	≤ 0.50
Polarization Extinction Ratio (dB)	Minimum	20
Return Loss (dB)	Minimum	55
Directivity	Minimum	55
Operating Temperature (°C)		0 to 70
Storage Temperature (°C)		-40 to 85
Package Dimension		3mm x 55mm



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