



C Series Standard Singlemode Couplers

*MaJoR Fiber Optics
Singlemode Couplers
utilize the proven FBT
process to minimize
Excess and Polarization
Dependant Loss.*

Applications

- LAN, WAN & Metro Networks
- Telecommunication Networks
- Passive Optical Networks
- Test & Measurement Systems
- CATV

**MaJoR Fiber Optics,
Inc.**

1549 Old Barn Rd.
Bartlett, IL 60103

Phone: 630/483-2054

Fax: 630/483-2072

E-Mail:

info@majorfiberoptics.com

Web: www.majorfiberoptics.com

- Singlemode Couplers/Splitters in a variety of package types and configurations
- Optical performance 100% factory tested
- SPC, UPC, and APC polish types available for connectorized products
- Low Excess Loss, Back Reflection and PDL
- Manufactured and tested in accordance with Telcordia GR-CORE 1221
- High temperature performance
- Operating Windows at 1310nm or 1550nm \pm 10nm
- Typical Excess Loss (dB)

0.06 Grade A
0.15 Grade B
- Uniformity (dB 50/50)

0.50 Grade A
0.90 Grade B
- Thermal Stability (dB Peak to Peak)

< 0.20 Grade A
< 0.30 Grade B
- Polarization Stability (dB)

< 0.10 Grade A
< 0.15 Grade B
- Port Configuration
- Coupling Ratio
- Back Reflection (dB) \leq -55
- Operating Temperature ($^{\circ}$ C) -40—+85 (-20—+70 for PVC cable)
- Storage Temperature ($^{\circ}$ C) -55—+85
- Package Styles for Leads

Coated Fiber (250um)	B, C, E, H, I
Buffered (900um)	C, E, F, H, I
PVC Cable (2.0 & 3.0mm)	E, F, H, I
Adapters	H, I

Insertion Loss Specifications (dB)

Coupling Ratio %	Grade A	Grade B
50/50	3.4	3.6
60/40	2.5/4.4	2.8/4.7
70/30	1.8/5.7	2.0/6.0
80/20	1.2/7.5	1.4/8.0
90/10	0.7/10.8	0.9/11.5
95/5	0.4/14.6	0.6/15.5
99/1	0.2/21.6	0.3/22.0

* Note: Custom Split Ratio's are available, please contact MaJoR for more information

