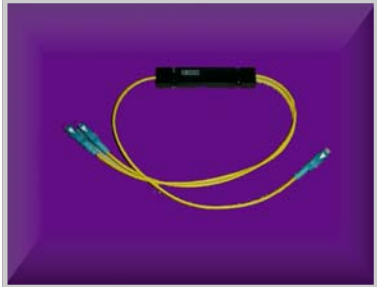




S and D Series Singlemode Wideband Couplers



MaJoR Fiber Optics Wideband Couplers utilize the proven FBT process to minimize Insertion and Polarization Dependant Loss across a wide bandpass which is critical for todays optical systems.

Applications

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

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- 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 Insertion Loss, Back Reflection and PDL
- Manufactured and tested in accordance with Telcordia GR-CORE 1221 and 1209
- High temperature performance
- Operating Windows at 1310nm, 1550nm and 1310/1550nm \pm 40nm
- 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
 - 1x2 and 2x2
- Coupling Ratio
 - 1/99 to 50/50%
- Back Reflection (dB)
 - \leq -55
- Operating Temperature (°C)
 - 40—+85 (-20—+70 for Plenum cable)
- Storage Temperature (°C)
 - 55—+85

Insertion Loss Specifications (dB) - without connectors

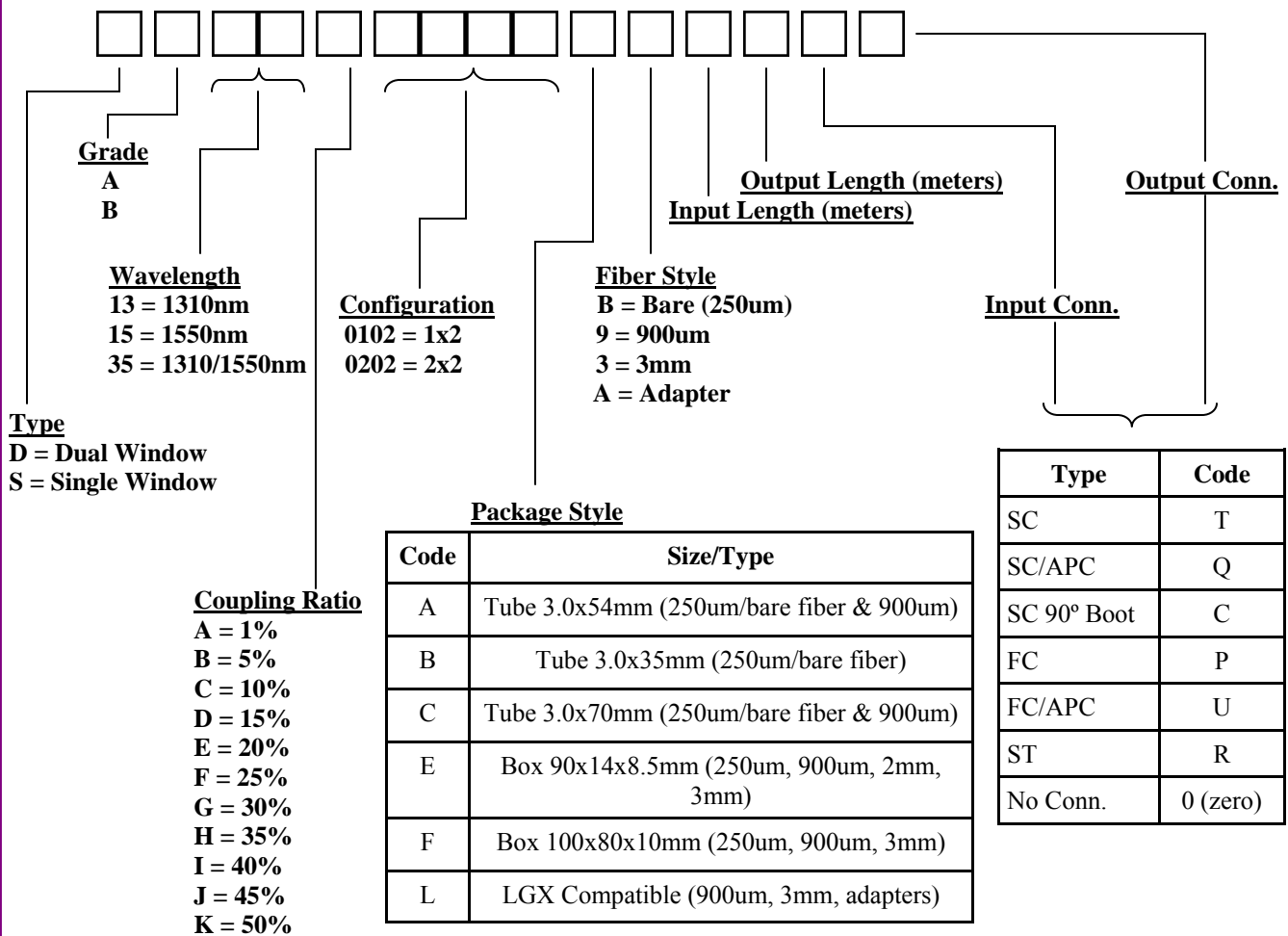
Coupling Ratio %	Grade A	Grade B
50/50	3.4	3.6
60/40	2.5/4.4	2.7/4.7
70/30	1.9/5.8	1.9/6.0
80/20	1.1/7.6	1.2/7.9
90/10	0.6/11.0	0.8/12.9
95/5	0.4/14.6	0.5/18.4
99/1	0.2/21.6	0.3/22.0

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



S and D Series Singlemode Wideband Couplers

PART NUMBER ORDERING INFORMATION



Note: Length in 1 meter increments

Example: Grade A 1550nm Single Window, 40% 2x2, C Package, 900um fiber style, FC/APC connectors input and outputs, 1 meter lead length input and 2 meter lead length outputs = SA15I0202C912UU