MICROLAB / FXR Line Stretchers

ST series

Coaxial Trombone
DC – 4.0 GHz

- **Ideal for Phase Matching Multiple Amplifiers**
- **Reliable Noise-Free Operation**
- **Position Locking Provided**
- **Minimal RF Insertion Loss**
- **Long Life Beryllium Copper Contacts**
- **Stops Prevent Accidental Disassembly**
- **Constant Impedance Design**

Model Number	Adjustment @ 500 MHz	Minimum Overall Length, inches (mm)	Maximum Overall Length, inches (mm)	'A' Length inches (mm)
ST-05N	360°	27.4 (696)	39.4 (1001)	26.3 (668)
ST-15N	120°	11.4 (290)	15.4 (391)	10.3 (262)

Microlab/FXR ST series trombone line stretchers are designed to adjust the electrical separation of other components without introducing additional mismatch. They consist of two single stretchers, see SR series, mounted in series, providing twice the phase range for a given physical size. All step discontinuities have been carefully compensated.

The Microlab/FXR line stretchers are constant impedance devices utilizing a unique inner design eliminating the step discontinuities associated with conventional line stretchers. They are rugged, well designed devices with a proven history. Also available from Microlab/FXR are Slug Tuners, SF series; Stub Tuners, see S1-S3 series; and Stub Stretchers, see SL series.

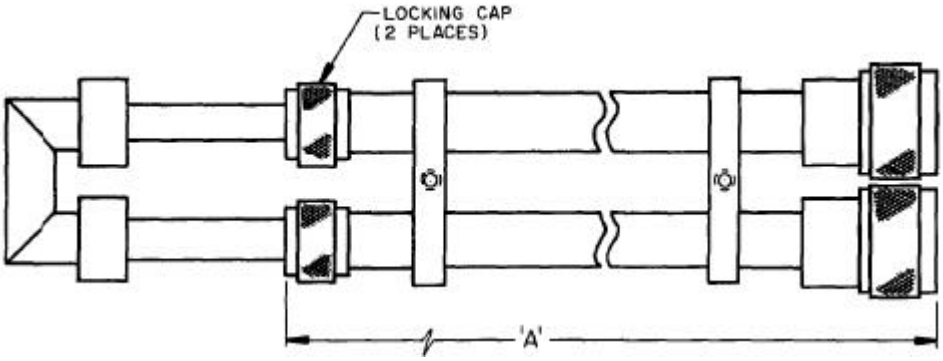
Options for different polarity or alternate connectors are available on request. (8/98)

Specifications Model ST series

Frequency:	DC – 4.0GHz
Impedance:	50 Ω nominal
Insertion Loss:	0.20 dB max.
VSWR:	1.25:1 max < 2.0 GHz
	1.45:1 max < 4.0 GHz
Power Rating:	100 Watts avg., 5 kW peak
Temperature Range:	-55°C to +150°C
Connectors:	N type Male standard
Finish:	Silverplate per QQ-S-365

Connector Series	Suffix Letter	Typical Part Number
N	N	ST-05N
BNC	B	ST-05B
TNC	T	ST-05T
SMA	F	ST-05F

Outline



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