Line Stretchers, SR series

Constant Impedance Phase Shifter
500 - 4,000 MHz
Rev. A

- Constant Impedance Design
- Long Life Beryllium Copper Contacts
- Final Adjustment Locking
- Noise Free Operation
- Mechanical End Stops Provided
- 100 Watt Average Power Rating

Microlab Model SR series of Line Stretchers or Phase Shifters is designed to adjust the electrical separation between components without introducing additional mismatch using a special telescoping section which maintains constant impedance throughout the travel length.

Beryllium copper contacts assure long life and noise free operation. Mechanical end stops at each end of the travel prevent accidental disassembly, and locking caps allow adjustment of sliding tension and provide final adjustment locking.

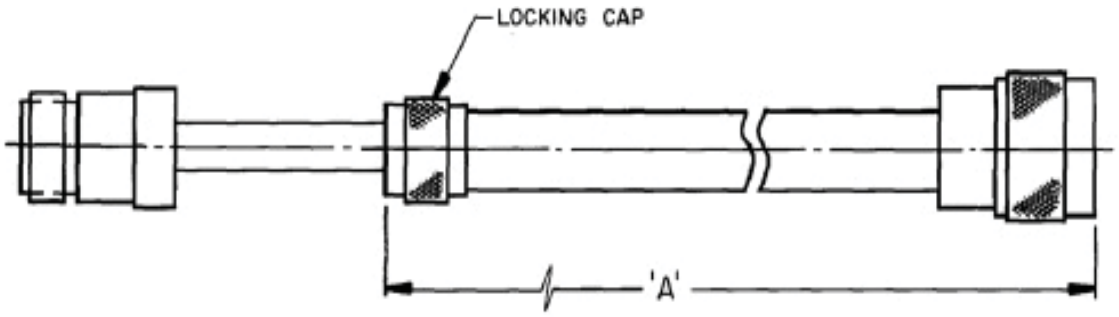
Trombone style Line Stretchers with fixed position connectors, providing twice the adjustment range, are to be found on ST series data sheet.

Units are available with standard N (or SMA connectors to special order) and options for different polarity or alternate connectors are available on request. (01/13)

Frequency Range:	0.5 to 4 GHz
	usable to DC
VSWR:	1.20:1 max. < 2 GHz
	1.35:1 max > 2 GHz
Insertion Loss:	0.2 dB max.
Impedance:	50Ω nominal
Power Rating:	100 W avg., 5 kW pk.
Temperature:	-55°C to +150°C
Connectors:	N, male-female
Finish:	Silver or tri-plate

Model No. N (m-f) standard	Model No. SMA (m-f) special order	Adjustment Range at 500 MHz	Minimum Overall Length in. (mm)	Maximum Overall Length in. (mm)	Dimension 'A' in. (mm)
SR-05N	**SR-05F**	180° min.	27.4 (696)	39.4 (1001)	26.3 (668)
SR-15N	**SR-15F**	60° min.	11.4 (290)	15.4 (391)	10.3 (262)

Outline



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