MICROLAB / FXR Double Slug Tuners

SF series

Dual Impedance Transformer
300 to 5,000 MHz

- **Ideal for Amplifier Stability Testing**
- **Adjustment Locking**
- **Long Life Beryllium Copper Contacts**
- **500 Watt Average Power Rating**
- **N Connectors Standard**
- **Noise Free Operation**

Model No. N connectors (m-f)	Frequency Range MHz	Max. Slug Separation In. (mm)	Maximum Slug Travel In. (mm)	Max. VSWR	Slug Material	Dimensions In. (mm)		
						A	B	C
SF-10N	300 - 1700	6	12	2:1	Air-Teflon	18.1 (460)	8.0 (203)	2.0 (51)
SF-11N				10:1	Metal-Teflon			
SF-30N	1000 - 5000	3	6	2:1	Air-Teflon	9.7 (246)	4.0 (102)	0.8 (20)
SF-31N				10:1	Metal-Teflon			

Microlab/FXR Model SF series of Double Slug Tuners consist of two identical slugs or impedance transformers mounted in a 50Ω line. The amplitude of the VSWR resulting from the two slugs may be varied from unity to the maximum specified value by separating the slugs. The slug separation may be locked and the two slugs moved together to vary the phase of the resultant VSWR without significantly affecting the magnitude of the reflection coefficient.

SF series provides a choice between partially filled dielectric lines and a metal ring surrounding a dielectric slug so as to provide units for standing wave ratios up to 2:1 and 10:1 respectively. In both cases slugs are electrically a quarter wavelength at mid frequency.

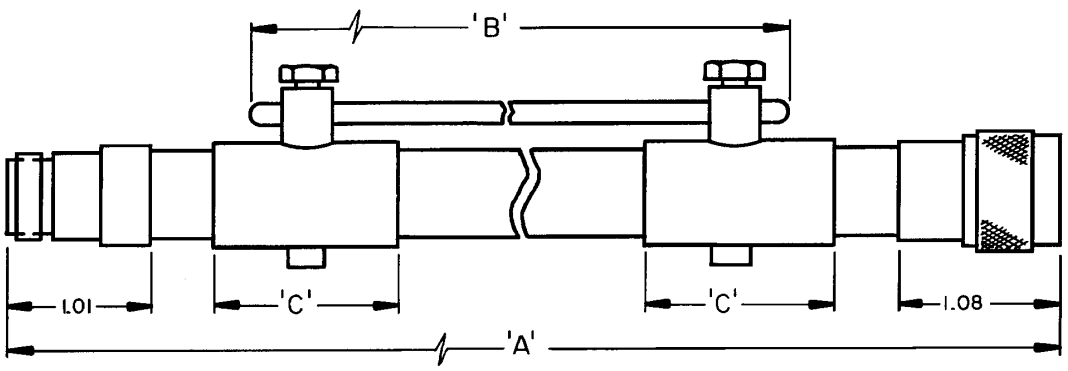
Alternate polarity connectors are available on request. (7/98)

Specifications Model SF series

Insertion Loss:	0.2 dB max.
Impedance:	50Ω nominal
Power Rating:	500 W avg., 5 kW peak
Temperature:	-55°C to +150°C
Connectors:	N type (m-f)
Finish:	Silverplate per QQ-S-365

Connector Series	Suffix Letter	Typical Part Number
N	N	SF-10N
BNC	B	SF-10B
TNC	T	SF-10T
SMA	F	SF-10F

Outline



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