



- ◆ Ideal to match TV Antenna Feeds to IOT
- ◆ Long Life Beryllium Copper Contacts
- ◆ 500 Watt Average Power Rating
- ◆ Ideal for Amplifier Stability Testing
- ◆ Adjustment Locking
- ◆ Noise Free Operation

Microlab Model SF series of Double Slug Tuners consist of two identical slugs or impedance transformers mounted in a 50 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.

Other polarity connectors or SMA are available on request. (10/08)

Insertion Loss: 0.2 dB max.
 Impedance: 50Ω nominal
 Peak Power: 5 kW
 Temperature: -55°C to +150°C
 Connectors: N, male-female standard
 Finish: Silver or tri-plate

Connector/Suffix	Typical Model No	Max. Power Rating
N type N	SF-10N	500W avg.
SMA F	SF-10F	200W avg.

Model Number N (m-f)	Frequency Range MHz	Max. Slug Separation in. (mm)	Max Slug Travel in. (mm)	Max VSWR	Slug Material	Dimensions in. (mm)		
						A	B	C
SF-10N	300 - 1700	6.0 (152)	12 (305)	2:1	Air-Teflon	18.1 (460)	8.0 (203)	2.0 (51)
SF-11N	300 - 1700	6.0 (152)	12 (305)	10:1	Metal-Teflon	18.1 (460)	8.0 (203)	2.0 (51)
SF-30N	1000 - 5000	3.0 (76)	6.0 (152)	2:1	Air-Teflon	9.7 (246)	4.0 (102)	0.8 (20)
SF-31N	1000 - 5000	3.0 (76)	6.0 (152)	10:1	Metal-Teflon	9.7 (246)	4.0 (102)	0.8 (20)

Outline
