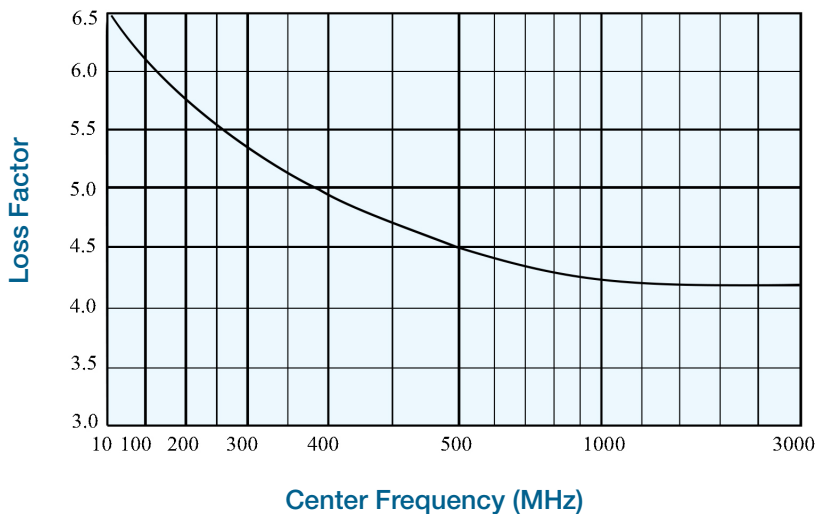


No. of Sections	2	3	4	5	6 or more
1.5/1 VSWR BW	0.4	0.7	0.8	0.85	0.9
MIN 3 dB BW					



Specification	Standard	*Special
Electrical		
Center Frequency (Fc)	1 to 5000 MHz	1 to 5000 MHz
3dB Relative Bandwidth (% of Fc)	2 to 50	2 to 100
Number of Sections Available	3 to 7	2 to 10
Nominal Impedance	50Ω	50 to 300Ω
Maximum Insertion Loss	See Curve	See Curve
Maximum VSWR	1.5/1	1.3/1
Attenuation in the Stopband	See Page 14	See Page 14
Maximum Input Power (Average) (Watts to 10,000 ft.)	2	4
Maximum Input Power (Peak) (Watts to 10,000 ft.)	20	40
Environmental		
Shock	20 G's	75 G's
Vibration	10 G's	30 G's
Humidity	95% relative	95% relative
Altitude	Unlimited	Unlimited
Temperature Range (Operating)	-40°C to + 85°C	-55°C to + 125°C
Temperature (Non-Operating)	-65°C to + 125°C	-65°C to + 150°C
Mechanical		
Approximate Weight in oz.	L x 4	L x 4
Mounting Provisions	See Next Page	See Next Page

*Contact Benchmark Lark Engineering for Special Configurations



Insertion Loss:

The maximum Insertion Loss at center frequency is equal to:

$$\frac{LF \times (N-0.5)}{\% \text{ 3 dB BW}} + 0.2$$

Where:

LF = Loss Factor N = Number of Sections

% 3dB BW:

$$\frac{3\text{dB BW (MHz)} \times 100}{\text{Center Frequency (MHz)}}$$

Example:

A 3 section MS with a center frequency of 50 MHz and a 3dB BW of 5 MHz would be:

$$\frac{4.0 \times 3.5}{10} + \frac{22}{10} = 2.2$$

$$2.2 + 0.2 = 2.4 \text{ dB}$$

