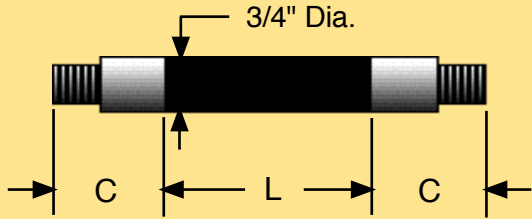


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The approximate length of a FILTEK LP04 series filter can be determined by adding the 'C' dimensions found on page 12 in the full catalog to the 'L' dimension in the table at the right. Please contact the factory if exact dimensions are required.

The approximate weight is 1.0 ounce per inch.

Number of Sections	Cutoff Frequency (MHz)				
	50 to 65	66 to 80	81 to 150	151 to 1000	1001 to 1500
3	5.50	4.50	3.50	3.25	3.00
4	7.75	6.50	4.00	3.75	3.50
5	10.00	8.50	4.50	4.25	4.00
6	12.75	10.00	5.75	5.50	5.00
7	15.25	11.00	6.50	6.25	6.00
8	18.00	12.50	7.25	7.00	6.75

Specifications

Electrical

Center Frequency (Fco)
Number of Sections Available
Nominal Impedance
Maximum VSWR (.4 Fco to Fco)
Maximum Fco Insertion Loss
Stopband Attenuation
Average Power (Watts Max to 10K Feet)
Peak Power (Watts Max to 10K Feet)

STANDARD

50 to 1500 MHz
3 to 8
50 Ohms
1.5/1
See Chart Below
See Curve page 45*
10/Loss Factor
500

SPECIAL

30 to 2000 Mhz
2 to 12
75 or 100 Ohms
1.25/1
See Chart Below
See Curve Page 45*
20/Loss Factor
7500

*Page 45 in Full Catalog

Insertion Loss

The Maximum Insertion Loss in the passband is equal to:

(Loss Factor X Number of Sections) + .05 dB

Example:

The Maximum loss for a 4 Section LP04 Series filter with Fco at 100 MHz is:

$$(.14 \times 4) + .05 = 0.61\text{dB}$$

Cutoff Frequency (MHz)	50 to 65	66 to 80	81 to 150	151 to 1000	1001 to 1500
Loss Factor	.16	.15	.14	.13	.12

Environmental

Vibration (10 to 2000 Hz)
Shock (11 mSec)
Humidity
Operating Temperature
Non-Operating Temperature

STANDARD

5 G
15 G
90% Relative
0° to +50°C
-25° to +75°C

SPECIAL

30 G
75 G
100% Relative
-25° to +100°C
-54° to +125°C