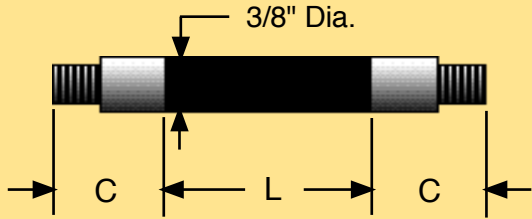


**Tubular Lowpass
LP02 Series
100 to 5000 MHz**

4410-A Hawkins St. NE
Albuquerque New Mexico 87109
(505) 345-1486 / Fax (928) 776-4208
e-mail: sales@filteklfilters.com



The approximate length of a FILTEK LP02 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 .50 ounce per inch.

Number of Sections	Cutoff Frequency (MHz)				
	250 to 300	301 to 350	351 to 750	751 to 1250	1251 to 4000
3	2.00	1.75	1.50	2.25	1.50
4	2.75	2.25	2.00	3.00	1.75
5	3.50	2.75	2.50	3.50	2.25
6	4.25	3.25	3.00	4.00	2.50
7	5.00	3.75	3.50	4.50	
8	5.76	4.25	4.00	5.00	

Specifications

Electrical

- Cutoff 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

- 250 to 4000 MHz
- 3 to 8
- 50 Ohms
- 1.5/1
- See Chart Below
- See Curve page 45*
- 3/Loss Factor
- 250

SPECIAL

- 100 to 5000 Mhz
- 2 to 12
- 75 or 100 Ohms
- 1.25/1
- See Chart Below
- See Curve Page 45*
- 5/Loss Factor
- 3000

*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 3 Section LP02 Series filter with Fco at 1000 MHz is:

(.18 X 3) + .05 = 0.59dB

Cutoff Frequency (MHz)	250 to 300	301 to 350	351 to 750	751 to 1250	1251 to 4000
Loss Factor	.22	.21	.20	.18	.17

Environmental

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

STANDARD

- 10 G
- 30 G
- 90% Relative
- 0° to +50°C
- 25° to +75°C

SPECIAL

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