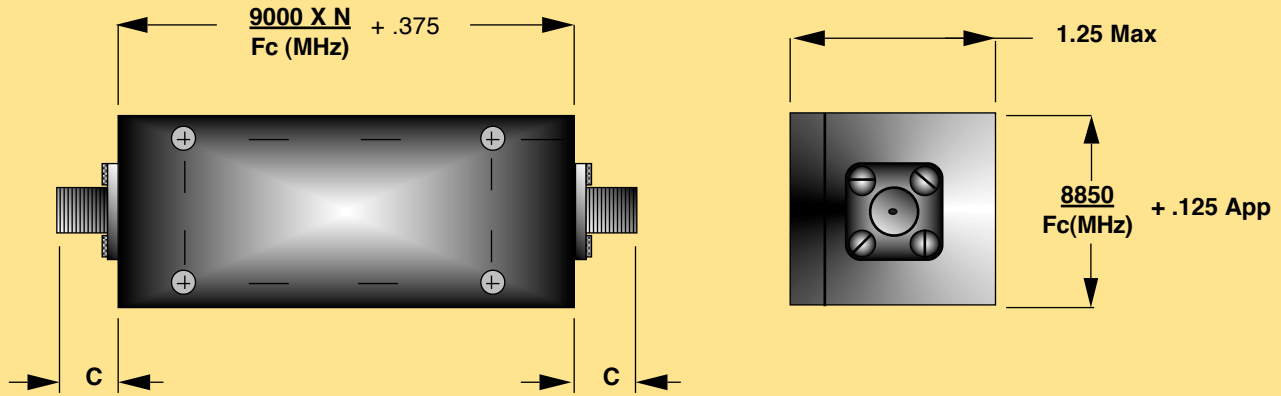


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**Cavity Bandpass
 BP26 Series
 5000 to 18000 MHz**



See Page 12 of the full catalog for 'C' dimensions. The size shown is a standard used by FILTEK to facilitate a low cost, easily reproducible unit. Should you require another size, please submit all of your requirements - both electrical and mechanical. This will enable FILTEK to quote the optimum design for your application.

Specifications

Electrical

Center Frequency (Fc)
 3dB Relative Bandwidth (% of Fc)
 Number of Sections Available
 Nominal Impedance
 Maximum VSWR
 Maximum Fc Insertion Loss
 Stopband Attenuation
 Average Power (Watts Max to 10K Feet)
 Peak Power (Watts Max to 10K Feet)

STANDARD

6000 to 12400 MHz
 0.3 to 1
 3 to 4
 50 Ohms
 1.5/1
 See Chart Below
 See Curve page 32*
 10% of Peak
 150 X % BW

SPECIAL

5000 to 18000 Mhz
 0.1 to 2
 2 to 7
 50 Ohms
 1.25/1
 See Chart Below
 See Curve Page 32*
 100
 1000

Insertion Loss

The Maximum Insertion Loss at Center Frequency is equal to:

$$\frac{\text{Loss Factor} \times (\text{Number of Sections} + 0.5)}{\% \text{ 3dB Bandwidth}} + 0.1$$

Example:
 The Maximum loss for a 4 Section BP26 Series filter with Fc at 8000 MHz and a 3dB Bandwidth of 60 MHz is:

$$(0.22 \times 4.5) / 0.75 + 0.1 = 1.4\text{dB}$$

*Page 32 in Full Catalog

Center Frequency (MHz)	6000 to 12400
Loss Factor	.22

Environmental

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

STANDARD

10 G
 25 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