

# ALLEN AVIONICS, INC.

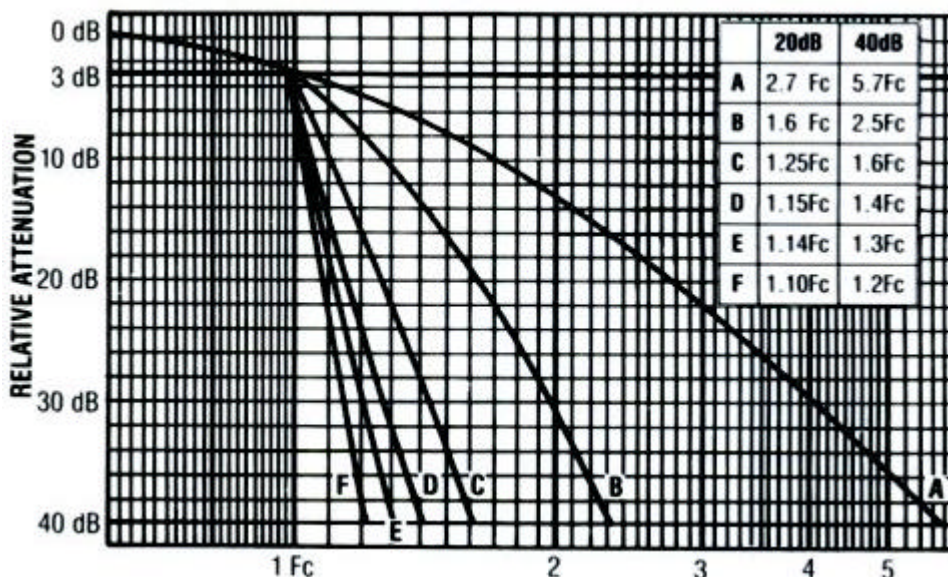
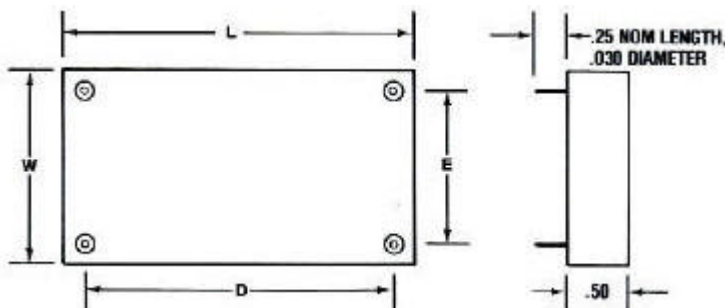
## Low Profile Lowpass & Highpass Custom Built LC Filters - 10 KHz to 5 MHz

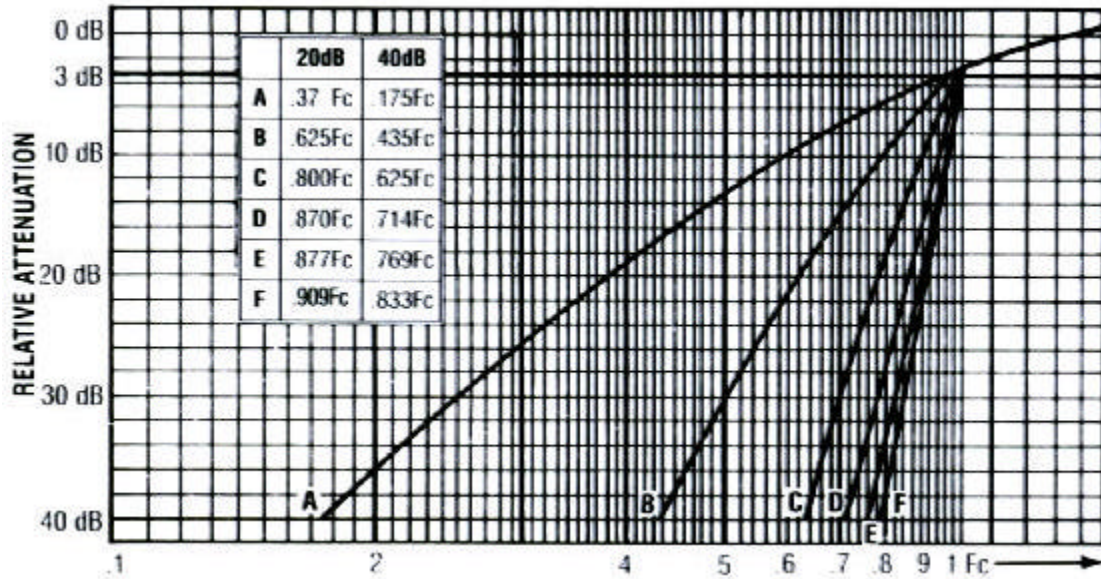
lplphp

**Allen Avionics** manufactures Lowpass, Highpass and Bandpass Filters using many design types such as: Butterworth, Chebyshev and Elliptic Functions. The filters tabulated on this page are Chebyshev type. Other types can be designed when their special properties are needed. All the Filters in the Low Profile Series are a maximum of 1/2 inch high to accommodate modern high density low profile circuit board design. For Lowpass, Highpass and Bandpass Filters above 5 MHz, see our subminiature series.

- ▶ **Frequency Range:** 10 KHz to 5 MHz
- ▶ **Impedance Range:** 50 Ohms to 2.5 K Ohms
- ▶ Excellent temperature stability
- ▶ **Construction:** Sealed in metal cans with PC terminals
- ▶ **Delivery:** Prototypes can often be delivered in less than 7 days.
- ▶ Maximum Ripple: .5dB
- ▶ Maximum Insertion Loss: 1dB
- ▶ Order any Cutoff Frequency required.
- ▶ Interpolation between listed frequencies is allowable.

Size (Inches)				
Mechanical Specifications for Low Profile Filters				
Case	L	W	H	E
C1	4.000	1.500	3.70	1.20
C2	3.000	1.625	2.70	1.30
C3	2.500	1.625	2.30	1.30
C4	2.000	1.625	1.70	1.30
C5	3.000	1.000	2.70	.70
C6	2.500	1.000	2.20	.70
C7	2.000	1.000	1.70	.70
C8	3.000	.750	2.70	.45
C9	2.500	.750	2.20	.45
C10	2.000	.750	1.70	.45
C11	1.500	.750	1.20	.45





Custom Low Profile Lowpass & Highpass Filters - Series LPLPHP								
Cut-Off Frequency F <sub>c</sub> 3dB Max.	Impedance Range (Ohms)	Shape Factor						
		A	B	C	D	E	F	
10 KHz	600 - 2.5K	Case size	C3	C2	C1	--	--	--
25KHz	500 - 2K	Case size	C4	C3	C2	C1	--	--
50 KHz	100 - 2K	Case size	C5	C4	C3	C2	C1	--
100 KHz	50 - 600	Case size	C6	C5	C4	C3	C2	C1
250 KHz	50 -250	Case size	C7	C6	C5	C4	C3	C2
500 KHz	50 -100	Case size	C8	C7	C6	C5	C4	C3
750 KHz	50 -100	Case size	C9	C8	C7	C6	C5	C4
1.0 MHz	50 -100	Case size	C10	C9	C8	C7	C6	C5
2.5 MHz	50 -100	Case size	C11	C10	C9	C8	C7	C6
5.0 MHz	50 -100	Case size	C11	C10	C9	C8	C7	C6

**Allen Avionics, Inc.**

224 East Second Street, Mineola, NY 11501

Phone: (516) 248-8080 Fax: (516) 747-6724

E-Mail: [Info@AllenAvionics.com](mailto:Info@AllenAvionics.com)

We are pleased to accept

