



AC Series Crossover Filter Modifications

DESIGNATOR	70 Hz – 1 kHz	70 Hz – 3.6 kHz	190 Hz – 7 kHz	CUSTOM
A	7.5 k ohm	7.5 k ohm	7.5 k ohm	7.5 k ohm
B	7.15 k ohm	2.0 k ohm	2.74 k ohm	R
C	21.0 k ohm	21.0 k ohm	21.0 k ohm	21.0 k ohm
D	5.23 k ohm	5.23 k ohm	5.23 k ohm	5.23 k ohm
E	31.6 k ohm	31.6 k ohm	31.6 k ohm	31.6 k ohm
F	0.022 μ F	0.022 μ F	0.0082 μ F	C
	AC 23 / B	AC 22 / B	AC 23 / B	

Custom Equations:

$$C \text{ (in } \mu\text{F)} = 1.59 / f_L$$

Where f_L = lower frequency limit in Hz.

Capacitors are polyester film 2.5% 50 VDC.

$$R = 0.159 / (f_H) (C \times 10^{-6})$$

Where f_H = higher frequency limit in Hz.

Resistors are metal film 1.0% 1/4 Watt.

Typical Linkwitz-Riley Crossover Circuit

