## Subject: Zobel dampers
Posted by Wayne Parham on Thu, 11 Dec 2003 19:23:09 GMT
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37 and then again on pages 48-52, where Zobel's on woofers with second-order filters are shown.The short version is that a Zobel circuit for a voice-coil driver loudspeaker is an RC damper that is formed with a capacitor and resistor connected in series.  The values for each component

connected directly across the woofer, and it removes a resonant peak that will form due to the interaction between the speaker's voice coil and crossover components.  You can see an example of this peak on page 47 of the crossover document.  Subsequent pages show the improved response curve resulting from inclusion of the damper in the circuit.