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Subject: First-order with conjugate Zobel

Posted by [Wayne Parham](#) on Tue, 18 Feb 2003 01:48:57 GMT

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The crossover you have drawn is essentially a first-order network with a Zobel. There is a second circuit formed by the 100uF and the 12uF capacitors (forming 112uF) that is probably used to connect an external midrange or full-range speaker. The conjugate Zobel network on the woofer was a good idea to remove LC peaking, but the circuit will still pass considerable energy to the woofer at high frequencies.

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