Subject: Crossover Values and Impedance 2nd & 3rd order
Posted by Paul C. on Sat, 04 Nov 2006 21:18:44 GMT
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Wayne, we had discussed a while back how for 12 db/oct (2nd order) crossovers, that the driver impedance could vary somewhat without changing crossover frequency. The coil pulling one way, while the value of the capacitor pulled the other, a sort of "self compensating" circuit.I have seen 2nd order crossovers that were usable with either 8 or 16 ohm drivers. For one impedance the network acted more as a Butterworth, for the other impedance the network acted more as a Linkwitz-Reilly.Is the same also true for 3rd order / 18 db/oct networks? How does changing impedance affect the crossover frequency in a 3rd order high pass network?