Subject: Impedance peak
Posted by Pilkar on Wed, 19 Feb 2003 17:05:49 GMT
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Hi everyone!I was looking the datasheet of the driver i will use, and it has a response graph were it is shown coupled to the horn i will use (lucky me). There is an impedance peak of 13ohms at around 900-950Hz. Since i will be crossing at 800Hz i thought there maybe a problem, like a shift in the crossover frequency. If that is the case, what should i do? Recalculate the crossover components for a 10-13 ohm load?Well, thats all for now!Thank you for your help!

Subject: Re: Impedance peak
Posted by Wayne Parham on Wed, 19 Feb 2003 17:44:00 GMT
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An impedance peak of 13 ohms isn't terribly high, and is expected from a horn. There will be a few peaks near the flare frequency and its harmonics. There are also sometimes peaks caused by diaphragm mechanical resonance below the flare frequency, where the horn cannot load the diaphragm. To tame these peaks, and electrically mnatch the driver better with the crossover, I

information.

Subject: Re: Impedance peak
Posted by Pilkar on Wed, 19 Feb 2003 20:51:00 GMT
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Thank you very much!