Subject: Possibly Naive Qs from Newbie... resistors in xover
Posted by krikor on Tue, 16 Mar 2010 18:18:25 GMT
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I'm ordering resistors to update the xovers in my recently acquired 3pi speakers and will be changing to the DE250 tweeter at the same time. I have some basic grounding in DIY electronics and reading schematics... just enough to be dangerous... but I want to make sure I'm following this correctly.

Schematic shows two 30ohm resistors in series (60ohm total) paralleled with another pair of 30ohm resistors in series for a total equivalent resistance of 30ohms. I'm assuming this is done to get the proper current rating required, rather than just using a single 30ohm resistor... correct?

Likewise, there is another set of 12ohm/16ohm resistors in series and paralleled with the same. However, I do not have a 12ohm resistor available to me (only 12.5 which may not matter?). Is there any issue with instead using 8ohm/20ohm resistors?

Thanks.

Subject: Re: Possibly Naive Qs from Newbie... resistors in xover
Posted by Wayne Parham on Tue, 16 Mar 2010 18:24:56 GMT
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This is done to increase thermal capacity, that's right. More resistors handle more current with less heat.

Subject: Re: Possibly Naive Qs from Newbie... resistors in xover
Posted by krikor on Tue, 16 Mar 2010 18:50:47 GMT
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Thanks Wayne... I'm sticking with the Dayton resistors for now. They only have a 12.5 and 16 so I'll be half an ohm above the 28 spec (or use the 20 and 8?).

Out of curiosity, what do you use for the 4pi when using Mills in place of the 16 ohm resistors? That's my next project

Subject: Re: Possibly Naive Qs from Newbie... resistors in xover

Posted by Wayne Parham on Tue, 16 Mar 2010 19:16:19 GMT
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