Subject: Compensation Network connection
Posted by HaknHendrix on Wed, 24 Mar 2004 01:53:05 GMT
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About to solder the tweeter compensation resistors together, along with the capacitor. I hope this diagram is understanble, but want to make sure I've got it before I commit solfer.The diagram below should represent 4 pairs of 16 ohm resistors in parallel serial combination.Top View of Resistor Pack O----O----O----O O----O----O----OBottom View of Resistor Pack
T1------O----O O----O-----C3 | | T2------O----O O----O | |
|-||-| C1ThanksHakn

Subject: Re: Compensation Network connection
Posted by Adrian Mack on Wed, 24 Mar 2004 02:35:26 GMT
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Not sure if this is what your looking for, but I think it is.See this post:
http://www.audioroundtable.com/PiSpeakers/messages/13262.htmlAdrian

Subject: Re: Compensation Network connection
Posted by HaknHendrix on Wed, 31 Mar 2004 13:24:39 GMT
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OK - I'm ready to fire up the soldering iron - well almost.I sharpened my pencil, diagrammed the compensation network based on the 4 Pi schematics Wayne sent me - lots of lines connecting the resistors (series/parallel), and built a 3 dimensional model out of cardboard. I then looked at the URL sent to me with the attached graphic:http://www.audioroundtable.com/PiSpeakers/messages/13262.htmland modeled this out of cardboard - and they are two different beasts.So, if I duplicate the compensation network based on the picture provided via the URL - I feel like I should be Good to Go. It will be connected to the Eminence PCB.The woofer compensation network looks easier - connect the dummy resistor to the capacitor, and connect the leads in parallel prior to connecting to the woofer.

Subject: Re: Compensation Network connection
Posted by Wayne Parham on Wed, 31 Mar 2004 23:04:55 GMT
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I have a suggestion. When you build-up your cluster of four resistors to make R1 and another

four to make R2, measure them with a DVM to make sure the result is 16 ohms for each one. It's just a series-parallel connection that is physically shaped in a way that's convenient.