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Subject: Wayne, C5 question again...

Posted by [Adam](#) on Fri, 15 Feb 2002 17:11:38 GMT

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I just ordered all the finalized parts for PE for the crossovers, but I have a worry. I need 42.5 uf caps on the woofer zobel network. But the 40 uf caps at PE (the daytons) are \$10 dollars each, so instead I ordered four 8.2 uf caps and four 33 uf non-polar electrolytes. I'll wire them in parallel to get the proper value (within tolerances). Anyway, I'm worried that this lower power cap (the electro) I'm gonna have to replace at a later date. It's only 100 volts. Is it going to hold up long-term? Thanks dude. Adam

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Subject: Re: Wayne, C5 question again...

Posted by [Wayne Parham](#) on Fri, 15 Feb 2002 21:02:00 GMT

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For C5, 100v should be enough, as long as it's non-polarized. If not, replace it with a pair of 20uF polypropylene caps. They're not too expensive and won't get leaky over time as electrolytics do.

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Subject: Re: Wayne, C5 question again...

Posted by [Adam](#) on Fri, 15 Feb 2002 21:44:05 GMT

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Thanks Wayne. It was just a bit of a cost-cutting measurement... The total cost of crossovers on these speakers using the mills resistors is roughly \$550 american, plus shipping, plus the ridiculous duty charges I usually get slapped with (up to and including 50%) along with the poor exchange rate. I'm simply tapped out of money for these speakers, so finishing the second pair may not happen until the summer. Thanks for the advice. I'll bite the bullet and go with the poly caps. Adam

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Subject: Re: Wayne, C5 question again...  
Posted by [Adam](#) on Fri, 15 Feb 2002 21:45:07 GMT  
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Sorry \$550 canadian, not american.Adam

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Subject: complete xover parts and HF stuff was only  
Posted by [Sam P.](#) on Sun, 17 Feb 2002 13:34:11 GMT  
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\$295 with shipping, mills and all. PE had everything in stock, so now I'm waiting with the enclosures 90% done, and no H-290/PSD2002's/xover parts on hand. I went with all Dayton caps vs. Solen, only saved \$20 or so there, but I've used the dayton's before and like them. Xovers will be piece built, when you do the LF and HF that way, there are a few more \$ saved, and the LF coil is 14 ga. air core, HF is 18 ga. No zobel considered at present, the 2035's have a very flat z, jbl claimed maybe still resistive at 1 kHz...Le is only 0.25 mH. Sam

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Subject: Re: complete xover parts and HF stuff was only  
Posted by [Adam](#) on Sun, 17 Feb 2002 15:15:06 GMT  
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Well, the thing is I'm building two pairs, not just one... Otherwise my crossover is very similar to yours (I imagine) other then I'm still using the zobel.I'll have to find a good combination to get the value. I'll try out some different patterns and see what can get closest to 42.5uF (the actual needed value) while reducing cost.Adam

Subject: zobels do not require precision  
Posted by [Sam P.](#) on Sun, 17 Feb 2002 18:39:42 GMT  
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Wow, two pairs, no wonder so much \$\$, I was starting to think customs duties must be really high. Good luck, Sam

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Subject: Re: zobels do not require precision  
Posted by [Adam](#) on Sun, 17 Feb 2002 19:13:26 GMT  
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It is. I've paid up to 50% duty before. I will probably get whacked for these xover parts, too. That's just the price PE charges me, I'll surely get a larger bill when they get to my door. Adam

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Subject: what about "parts connection" in Ontario?(nt)  
Posted by [Sam P.](#) on Sun, 17 Feb 2002 20:14:27 GMT  
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nt

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Subject: Re: what about "parts connection" in Ontario?(nt)  
Posted by [Adam](#) on Sun, 17 Feb 2002 21:24:53 GMT  
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Never heard of them. I purchased my compression drivers and woofers from a local dealer through McBride. They don't sell decent crossover parts though :/Where's this parts connection

at?Adam

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Subject: [www.partsconnection.on.ca](http://www.partsconnection.on.ca)  
Posted by [Sam P.](#) on Sun, 17 Feb 2002 22:07:08 GMT  
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I think they are changing their business focus right now, maybe away from diy, but they carry some very nice inductors and caps, etc. Check them out, maybe you can save the duty charges. Their prices are not quite as low as PE, but shipping might be less. Sam

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Subject: new site is [www.partsconnexion.com](http://www.partsconnexion.com) (nt)  
Posted by [replay](#) on Mon, 18 Feb 2002 16:22:52 GMT  
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