Subject: Three PI X-over questions
Posted by rx7mark on Tue, 24 Sep 2013 09:42:59 GMT
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HI,
After studying the 3PI crossover schematic for a while and looking at options for parts, I have just a few questions.

My intended setup is going to be with updated drivers, AE TD12S woofer and B&C DE250 tweeter.

1)The schematic notes say that the Zobel and C1 are not required for this configuration. Are these locations jumpered or left open? I would assume open, but wanted to verify.

2) The plans call out for 20uf for C3 & C4 for this configuration, but I was wondering if 22uf is close enough for one or both. Is the woofer or tweeter more critical? Thinking about using the Obbligato oil's, so I have a choice of 22uf, or 2x10uf, or a series of smaller caps cascaded.

3) Anybody have experience with the copper foil inductors? Pro's and Con's? Thinking about either 14ga or 15 ga. Comparing 15ga Jantzen aircore solid wire as recommended. 1.0mh, DCR .30ohm at $15 to Goertz 14ga copper foil 1.0mh, DCR .188 at $31. Obviously a little more expensive, but might be worth it if going for a high end result? Any advise?

Thanks in advance for any and all replies.

Subject: Re: Three PI X-over questions
Posted by Wayne Parham on Tue, 24 Sep 2013 12:54:28 GMT
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The Zobel components are simply removed when using the TD12S woofer, leave them open.

You can substitute 22uF capacitors for the ones labeled 20uF, and in fact, that's what we do when using brands that do not offer a 20uF part.

Foil inductors can be used in place of wirewound ones. I have tried them and found no audible or measureable difference, but it sure doesn't hurt to use them.

Subject: Re: Three PI X-over questions
Posted by rx7mark on Tue, 24 Sep 2013 19:02:31 GMT
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Thanks Wayne!

Can't wait to get started on the three PI's, but I'm in Italy at the moment on a work assignment, so I can only plan and start collecting parts. After the new year I will be home and able to get started!

Subject: Re: Three PI X-over questions
Posted by Wayne Parham on Tue, 24 Sep 2013 20:40:57 GMT
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We'll be here when you're ready!
