Subject: Crossover for the 604-8G
Posted by Alexandru on Thu, 05 Dec 2002 12:38:14 GMT
View Forum Message <> Reply to Message

It seems that the crossover for the 604-8G is still an universal puzzle. I have a pair of 604 in a very good shape. I have built a vented box for them (30 x 23 x 15 inch and a 12 db/oct passive crossover network, fc = 1500 Hz, L = 0,3 mH, c=10 micro F. Air inductors, paper condensers. So far so good ! But it doesn't work as I hoped because it seems to be a missing bass and an agressive treble.Do I have to introduce a damping for HF.? Series or Parallel LC tuned somewhere between 2-4 Khz RC network? Both of them?Could someone please help me and send me a diagram for 604-8G crossover?604-8G main parameters:- Two way full range duplex - compr. driver + horn- Sensitivity 98,5 dB SPL 500 Hz - 3 Khz- Freq. response 60-20000- Power handling 75 w- Impedance 8 ohm- Crossover ~ 1500 HzThiele's parameters for 604 8GXmax = 0,15 inchesRE = 7-8 ohmVD = 19,2 cub. inchesFS = 25,8 HzQTS -= 0,25QMS = 8,30QEF = 0,26VAS = 22,05VID = 0,33 cub. ftREF.EFF = 4%I've appreaciated greatly Mr. Parham's paper on "Speaker motors and passive crossover filters". I've found a link to it in an older message in this forum on the crossover for the 604-8G.One of the best I have so far read. A lot of thinking ahead.Thank you very much for your time.

Subject: how are you matching levels?(nt)
Posted by Sam P. on Thu, 05 Dec 2002 13:23:06 GMT
View Forum Message <> Reply to Message

nt

Subject: You've got mail!
Posted by Wayne Parham on Thu, 05 Dec 2002 16:45:17 GMT
View Forum Message <> Reply to Message

that should work well for you.

Subject: Re: You've got mail!
Posted by billfort on Thu, 05 Dec 2002 21:52:44 GMT

View Forum Message <> Reply to Message

Hi Wayne. Would you mind sending me a copy as well? I'm also considering different possibilities for Altec 604-8G crossovers and would be interested in your thoughts. I am leaning towards bi-amping but think a compensation circuit on the Altec horn might still be best.Thanks, Billf

Subject: You've got mail too!
Posted by Wayne Parham on Fri, 06 Dec 2002 21:49:52 GMT
View Forum Message <> Reply to Message