
Subject: Crossover for the 604-8G

Posted by [Alexandru](#) on Thu, 05 Dec 2002 12:38:14 GMT

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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, $f_c = 1500$ 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 aggressive 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 Hz Thiele's parameters for 604 8GXmax = 0,15 inches RE = 7-8 ohm VD = 19,2 cub. inches FS = 25,8 Hz QTS = 0,25 QMS = 8,30 QEF = 0,26 VAS = 22,05 VID = 0,33 cub. ft REF.EFF = 4% I've appreciated 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.