
Subject: Re: The AudioKarma Econo-Waveguide Speaker

Posted by [AudioFred](#) on Tue, 12 Apr 2011 15:57:30 GMT

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The crossover schematic is here:

<http://www.audiokarma.org/forums/attachment.php?attachmentid=151281&d=1242968714>

I made a few changes. The LP1 L-pad is omitted. The R1 series resistor in the tweeter filter is 25 ohms. I also added a Zobel to the woofer filter consisting of an 8 ohm resistor and a 10uF capacitor. The woofer is the Eminence Delta 12 LFA. The tweeter is the Selenium D220Ti-8. The waveguide horn is the Dayton H6512 (#270-318). This \$13.50 horn is less expensive than the equivalent \$40 Eminence H290 used on the three Pi, and when you compare their construction you'll see why. The Eminence horn is built of much heavier material and will be far less likely to "ring" than the Dayton, but this is a budget design with some compromises.
