
Subject: Re: Variable x-o for motorola KSN1142

Posted by [Wayne_Parham](#) on Wed, 18 Apr 2001 05:12:18 GMT

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Your crossover is cool, but you will find that the 30 ohm R1 will slightly reduce output in the top octave. From 10kHz to 20kHz, the tweeter's impedance is less than double this value, and nearly equal at 20kHz. So you might use a smaller value series resistor in position R1. Another thing you might do is to add about 20 ohms directly across the tweeter. That will make the load presented to the crossover be nearly equal to the shunt resistance. That will allow you to design a crossover just like you do for any other driver, knowing the shunt resistance value to be the load impedance for crossover component value calculations.
