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Subject: Re: Resistor values to take the 2123 down 6, please  
Posted by [Wayne Parham](#) on Tue, 13 May 2003 17:27:39 GMT  
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If the speaker were a purely resistive 8 ohm load, then an 8 ohm resistor in series would be perfect. It's simple and it would pad the speaker 6dB. But since the speaker is not purely resistive and has reactive properties, a series resistor will change the characteristics. If there is series capacitance, it will change the Q of the crossover filter and tend towards peaking. So you might want to include some shunt resistance to counteract this tendency. One could check it all out in Spice, but I think you would be safe with the general-purpose values of 4 ohms in series, followed by 8 ohms in shunt, across the midrange.

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