Subject: Re: Woofer-tweeter
Posted by Wayne Parham on Sun, 12 Jan 2003 18:52:21 GMT
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To attenuate a piezoelectric tweeter, use a capacitor in series. Since the tweeter is primarily capacitive, a series capacitor forms a voltage divider rather than a frequency splitter. There is no filter function when components having the same reactive properties are connected together. So a capacitor/capacitor network forms a simple voltage divider, much like a resistor/resistor network does.For a KSN-1038, you can expect attenuation in the following amounts:1.0uF 1dB0.5uF 2dB0.33uF 3dB0.22uF 4dB0.1uF 7dBThese values are what you'll get if you connect a capacitor in series with the tweeter, and do not use any other components. That gives broad-band attenuation only, and does not act as a crossover.See the post called "Pi implementations of quartz piezoelectric tweeters"