Subject: Re: RatShack 40-1034 Sub
Posted by Herbsbuddy on Wed, 28 Mar 2007 10:28:28 GMT
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Correction: 2.9mm is much less than an inch and 13.0mm is a little over half of an inch. I was wrongly thinking 2.54mm = 1 inch but actually 2.54cm (25.4mm) = 1 inch so my original posting is off by a factor of 10 which I am correcting here. Also the distortion "cleaned up" by isobaric mounting is called 2nd order harmonic distortion. Basically by 2 identical woofers working together in a push-pull configuration, this distortion is greatly lessened compared to just a single woofer. Also the Vas of an isobaric woofer pair is half of that of a single woofer which means the pair can be placed in an enclosure 1/2 the volume (size) of that of a single woofer with a very similar frequency curve. The clamshell isobaric orientation is very simple to use just make sure the surround on your woofers doesn't extend past the gasket segments of your woofer at rest position otherwise there may be issues when mounting them isobarically.