
Subject: Re: Using Single full range as a sub
Posted by [GM](#) on Tue, 15 Feb 2005 00:26:03 GMT
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Greetings! Don't think they'll make it as subs. Courtesy of 'Zene':
 $F_s = 78.76 \text{ Hz}$
 $V_{as} = 24.5 \text{ L} / 0.8652 \text{ cu ft}$
 $Re = 7.309$
 $Le = .2462 \text{ mH}$
 $Q_{ms} = 5.772$
 $Q_{es} = 1.977$
 $Q_{ts} = 1.473$
 $S_d = 21.4 \text{ sq cm} / 3.317 \text{ sq in}$
 $BL = 0.4477 \text{ N/A (calc'd)}$
 $Spl = 89.65 \text{ 1w/1m}$
 $Pe = 30 \text{ W}$
Here's an Alpha TL (end loaded straight pipe) I did for someone, but if they built it they didn't let me know how it performed. Looks good in a sim though:
 $L = 39.25 \text{ inches}$
 $SO/SL = 166 \text{ inches}^2$
recommended stuffing density = 26 oz of polyfil
GM
