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Subject: Question re: Values for R-L-C Mechanical Reactance

Posted by [GarMan](#) on Fri, 05 Dec 2003 16:12:02 GMT

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Hi Wayne, I think I understand how to calculate values of L and C to simulate mechanical reactance in SPICE.  $R$  of L and C =  $Z_{max}/Q_{ms}$  at  $F(res)$  However, looking at your examples of woofer models in the crossover document on your site, it seems to assume that  $Z_{max} \sim 10 \times Q_{ms}$  for all drivers. This would be correct for the Alpha8, but does not match the specs available for the other drivers. Can you please clarify? Also, is the R value in the mech reactance model set at  $Z_{max}$ ? thanks, gar.

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