Subject: Re: New sale price on a Vifa 3.5 incher
Posted by Marlboro on Mon, 28 Sep 2009 20:48:41 GMT
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Rick,

I'm not sure there is much point in discussing this with you because you seem to miss significant points and keep on talking no matter what. Also, I can't find any references to support many of your comments; they may be there, but I don't know where they are. The last time I tried to access your references, and one of them was so general that I couldn't find it, and the other one required that I be a full fledged member of the AES to access any of the papers.

When I designed my system Q was this:

"Qms, Qes, and Qts are measurements related to the control of a transducer's suspension when it reaches the resonant frequency (Fs). The suspension must prevent any lateral motion that might allow the voice coil and pole to touch (this would destroy the loudspeaker). The suspension must also act like a shock absorber. Qms is a measurement of the control coming from the speaker's mechanical suspension system (the surround and spider). View these components like springs. Qes is a measurement of the control coming from the speaker's electrical suspension system (the voice coil and magnet). Opposing forces from the mechanical and electrical suspensions act to absorb shock. Qts is called the 'Total Q' of the driver and is derived from an equation where Qes is multiplied by Qms and the result is divided by the sum of the same.

"As a general guideline, Qts of 0.4 or below indicates a transducer well suited to a vented enclosure. Qts between 0.4 and 0.7 indicates suitability for a sealed enclosure. Qts of 0.7 or above indicates suitability for free-air or infinite baffle applications."

You've made comments about integration, but I can't reference them. My crossover is way above this. You complain that my speakers don't have a high enough xmax,despite the fact the the xmax on your little HV's is only 3.0 mm and mine is 3.3. You complain that my speakers don't have a low enough FS, but mine are 103, which is way lower than any standard midrange.

And then, you complain its really a problem with the Q.

Read this again: "Qms, Qes, and Qts are measurements related to the control of a transducer's suspension when it reaches the resonant frequency (Fs)." My speakers don't need to worry about out of control movement at the resonant frequency BECAUSE THEY CROSS WAY ABOVE THAT FREQUENCY." Also I specifically put them in very tightly sealed Acoustic suspension system to avoid an issue with control, AND because they don't use a passive crossover, the damping is handled by their direct connection to the amp since the cross is before the amp.

Please not again:
"Qts of 0.7 or above indicates suitability for free-air or infinite baffle applications." This means that lower than .7 the speaker really needs supports to make sure that you don't have bad actions at the resonance. Your HV's are high enough to make sure that this isn't a problem. They have a

Qts of 0.86. Guess what? My Sammi's have a Qts of 0.869. And just so we get out numbers right, Qms on the HV's is 4.48, and on the sammi's 4.421, and Qes on the HV's is 1.07 and the Sammi's is 1.09.

It actually looks like HV bought a bunch of Sammi's and tried to make a speaker just like them.

Now I'm sure that you'll come up with something new to try to rain on my parade, but it may be that you are like Joe B%$#@ in the comics and that the little cloud is only over your head.

Finally, this a dead horse for you. No one can buy any more Sammis in quantity enough to build a line array with them. If mine died its nice to know that the HV 3 inchers are so close to my Sammi's that I could really just substitute them.

Kind regards,

Marlboro