
Subject: Another Calipso array?

Posted by [Marlboro](#) on Sat, 21 Oct 2006 12:49:13 GMT

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John Krutke somehow got an advance copy on it:"Comments: This is a preliminary test sample and subject to change when it becomes publicly available. This is the lowest distortion 3" driver I've ever tested, directly a result of a faraday ring in the motor. On the other hand, it's rough top end response means it is best used with a tweeter. Specifically, a small neo tweeter is a good mate to this driver, working with a high crossover point or a shallow slope. This driver will not appeal to the "crossoverless full range" crowd, as it definitely needs some sort of filter. Excellent build quality, with a cast frame, a good 1 piece parabolic cone, venting through the pole piece and behind the spider. Do not expect clean output anywhere below 100 Hz. Low efficiency - If you need a midrange from Dayton, the RS52 is a better choice."His measured frequency response is flat from about 100 to 1300, with a 2 db rise to a plateau until about 2600 and then another 2 db rise to another plateau to about 3600.Sensitivity is low at about 82 across the frequencies, but of course with 17 of them per channel or more, that will come up. The FR looks a bit better within the ranges that one might use them either with the cut neos flange domes or with some ribbon/planar.But again, the only reason for using them would be so one can use domes as the tweeter component, which is so that one can keep the price of the whole system in regards to the speakers below 800 bucks in total cost.If I was willing to not be affected by the speaker cost, then I might choose a suitable tweeter like the B&G neo3 PDR at \$55 each and maybe the Dayton RS52, making a normal woofer at about 400 maybe using the Dayton RSS315HF-4. I'd love to try to use the RS52's in an array. Design box would consist of just a nice front hardwood baffle for the mid and tweeters---so much easier than some box. And I'd stick to my sonotube woofer cabinets. Marlboro