Subject: Re: Array Tweeter Selection
Posted by Anonymous on Fri, 01 Jun 2007 14:37:14 GMT
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re: Zaph's tests. People make decisions based on tests, people should buy sampledrivers and do their own listening tests as it offers peace of mind.Keep in mind that Zaph tested the Silver Flute Yag-20 which issimilar to the PT2B, but as Rick said the PT2B has a better magnetas is evident by the different in sensitivity ratings. Yag-20 israted at 90dB, PT2B is 94dB. It would be premature to rule out PT2Bif you look at Yag-20 tests. Zaph also makes a note about drivers used in line arrays.For a non-line array design I would choose a dome tweeter insteadof PT2B. But for a big line array with eight - tweleve PT2B per tower, that's hard to beat for the money. You can go to home audiostores and not find that sound for $20k.You should be able to get those tweeters for $25 in bulk pricingand for the money, they do a good job. If you use 48dB/octave activecrossover {DCX2496, etal}, you can stretch the crossover frequency lower. You can also keep more distortion from manifesting when youpush the line array to higher levels. You can also change the crossover frequency for different listening situations. The activecrossover has advantages where passive crossovers are fixed. re: BG Neo3There is also BG Neo3PDR, an upgrade to BG Neo3.Sensitivity is lower; 90dB/2.83v, 4 ohmre: Esoteric solutions I didn't mention it before, but I can think of more tweeters toadd in this category, but you'd be spending $700 - $2000 on eachtweeter. lol Is it worth it? Sure it is if you want to push the SPL level higher and keep distortion lower. I'm going to guessand say you can probably generate at least 120dB[c] of treble at 12-20 feet away with these expensive tweeters. The highest endtweeter is rated for 145dB, 3kw peak power, 200mS. lol ... Based on what I've seen, it seems the logical progression wouldbe; $1 mylar, $4 dome, $25 PT2B, $120 Fountek {or equivalent thatmay cost $200}, then the $300 - $500 ribbons. Just figure out whatyour budget is and find the tweeter that fits the wallet.If you can't choose, buy one of each driver candidate and hook itup and just listen to the sound.