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Subject: Re: measuring grid chokes

Posted by [MQracing](#) on Thu, 15 Dec 2005 00:36:48 GMT

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Hi Colinhester: Picking any one parameter or two... doesn't even begin to tell ya the whole story... and in fact can be quite misleading. For example... take a speaker (i'm not a speaker engineer by any stretch)... how many different parameters must a speaker designer juggle to achieve an end product... what if the evaluator only looks at one parameter as the measure of goodness? What the designer probably tried to do was to juggle and optimize a wide range of parameters to get a good sounding product... not just focus on one or two parameters. I would guess any good speaker or driver designer.... say achieving the highest max flux density (as a sole parameter) were the test... I'll bet a good driver designer could meet or beat your "spec" if that was the only "spec" he had to be concerned with. same goes for tranneys... I listed 18 different parameters that a designer might consider in a magnetics design and the list was short and done on the fly... for instance we would need to add to the list... flux density... an important parameter that you would not want to totally ignore so that you could lower some other arbitrary spec (in isolation) like the dc winding resistance as just one example. If you give an engineer the task of designing a product to maximize only one or some small set of parameters and allowed him to trade off all other performance parameters... it almost becomes a trivial exercise. but that's not how good products come about... or at least not in my experience. that's my .02 dollarsmsl

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