Subject: Re: alpha 10A frequency response
Posted by Wayne Parham on Wed, 18 Sep 2002 07:02:26 GMT
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Eminence has changed the Alpha 10 and some of its other drivers recently. They've changed the voice coil to make them handle more power and while they've kept electro-mechanical specs pretty similar, there have been some minor changes. In the case of the Alpha 10, power handling and ultimately maximum output has been increased but there is a rise in the upper midrange as a result.The way we're addressing this is to include a 0.5mH coil as a pseudo-first-order filter to create a shelf of reduced energy between 1kHz and 4kHz. The response curve you can expect from a 0.5mH coil in series with an Alpha 10 is shown below.Pseudo-first-order 0.5mH in series with Alpha 10