Subject: Re: Moth Audio
Posted by robertG on Fri, 16 Jul 2004 23:14:12 GMT
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For proper BLH operation, you will choose a very low Qts driver (lower than .3). Qts represent the ability of a motor structure to control the moving mass, especialy at resonance frequecy. The higher the number, the lesser the control.High Qts drivers (sometimes as high as 1) are very at ease on open baffle. Medium Qts driver (from .3 to .6) can be use in a variety of designs (closed, reflex, etc.), while very low Qts won't have enough bass output at resonance to be effective in either closed or reflex enclosure or open baffle.There is no clear cut line between design applications and I do not want to imply that one is better than the other. Personally, I like very low Qts in BLH because of the great speed and impact of the design.A very strong motor is generally characterised as a driver with a very big magnet, therefore, it is easy to associate big magnets to low Qts (although it's not always so, because the weight of the moving mass has to be taken in account - it's a weight power ratio).Moth driver is made by Tai-sonic (see link), and the size of it's motor indicate a highish Qts value (as compared with Lowther or Fostex). Even more so, Moth use the driver in what look like a reflex design.
http://www.tai-sonic.com/products-body.htm