

Vas test completed: Thu Jan 10 11:33:16 2008

Vas drive current 2392.39 uA

SBX1620, 8 Ohm, kevlar

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Revc      =      7.2634 ohms  
Fms       =      59.8180 Hz  
Zmax      =      76.7035 ohms  
Qes       =      0.7816  
Qms       =      7.4727  
Qts       =      0.7076  
Le        =      1.2074 mH (at 1 kHz)  
Diam      =      133.5116 mm ( 5.2564 in )  
Sd        =13999.9986 mm^2( 21.7000 in^2)  
Vas       =      11.2986 L ( 0.3990 ft^3)  
BL        =      7.8056 N/A  
Mms       =      17.4451 g  
Cms       =      405.7918 uM/N  
Kms       =      2464.3176 N/M  
Rms       =      0.8774 R mechanical  
Efficiency =      0.2907 %  
Sensitivity= 86.6526 dB @1W/1m  
Sensitivity= 87.0721 dB @2.83Vrms/1m  
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; When testing drivers with an up/down radiation (cone motion)  
; enough weight should be used to get a decent resonance change  
; without significantly altering the drivers suspension zero point.  
; A typically good configuration is when Fs/Fsa=1.25.  
; Horizontally mounted drivers are less susceptible but require  
; a clay or soft caulk mass. The following may be of help  
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Fms= 59.8180 Mms = 17.4451 g  
Fsa= 47.2016 Mms+Ma= 28.0171 g  
Fs/Fsa = 1.2673  
Ideal Test Mass = 9.8129 g  
Test Mass used = 10.5720 g  
Missed ideal by = 0.7591 g (too heavy)  
Nickels used = 2.1144  
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---- Impedance Fitting Constants ----

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Krm 201.768E-06 ohms Freq dependent resistance  
Erm 1.054E+00 Rem=Krm*(2*pi*f)^Erm  
Kxm 10.515E-03 Henries Freq dependent reactance  
Exm 739.372E-03 Xem=Kxm*(2*pi*f)^Exm, Lem=Kxm*(2*pi*f)^(  
(Exm-1)
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