

K-1077-SB. 8''

Vas test completed: Thu Jan 17 21:34:50 2008

Vas drive current 3181.82 uA

Sents: No Shunts Used

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;-----
Revc      =      3.0194 ohms
Fms       =      44.9561 Hz
Zmax      =      20.1204 ohms
Qes       =      0.5516
Qms       =      3.1242
Qts       =      0.4688
Le        =      0.5952 mH (at 1 kHz)
Diam      =      165.1000 mm ( 6.5000 in )
Sd        = 21408.3884 mm^2 ( 33.1831 in^2)
Vas       =      30.5338 L ( 1.0783 ft^3)
BL        =      6.4281 N/A
Mms       =      26.7248 g
Cms       =      468.9730 uM/N
Kms       =      2132.3188 N/M
Rms       =      2.4162 R mechanical
Efficiency =      0.4726 %
Sensitivity= 88.7626 dB @1W/1m
Sensitivity= 92.9943 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= 44.9561 Mms = 26.7248 g
Fsa= 35.9790 Mms+Ma= 41.7248 g
Fs/Fsa = 1.2495
Ideal Test Mass = 15.0327 g
Test Mass used = 15.0000 g
Missed ideal by = -0.0327 g (too light)
Nickels used = 3.0000

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;--- Impedance Fitting Constants ---

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Krm      999.203E-06 ohms      Freq dependent resistance
Erm      816.113E-03          Rem=Krm*(2*pi*f)^Erm
Kxm      18.165E-03 Henries   Freq dependent reactance
Exm      595.148E-03          Xem=Kxm*(2*pi*f)^Exm, Lem=Kxm*(2*pi*f)^1

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52 Lit 33.75 f3  
 4" vent  
 7.9" long

or 28 Lit 46.94 Hz f3  
 4" vent  
 10" long