

K-1077-SB. 8"

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

Vas drive current 3181.82 uA

Sents: No Shunts Used

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

; 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

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

;--- Impedance Fitting Constants ---

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

52 Lit 33.75 f3

4" Vent
7.9" long

or 28 Lit 46.94 Hz f3

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4" Vent
16" long