

Buffer[1] Vas

Completed: Wed May 06 09:52:19 2015

Drive level 100.000% [3.437 mA]

Sine,LoZP(LV/LA)->Vas,21 pts

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Re          =      1.4161 ohms
Fs          =      35.5591 Hz
Zmax       =      25.4601 ohms
Qes        =      0.7233
Qms        =      12.2799
Qts        =      0.6830
Le         =      2.0777 mH (at 1 kHz)
Diam       =      310.0000 mm ( 12.2047 in )
Sd         =      75476.7656 mm^2(116.9892 in^2)
Vas        =      45.2119 L ( 1.5966 ft^3)
BL         =      12.5245 N/A
Mms        =      358.5731 g
Cms        =      55.8678 uM/N
Kms        =      17899.3848 N/M
Rms        =      6.5240 R mechanical
Efficiency =      0.2641 %
Sensitivity=      86.2356 dB @1W/1m
Sensitivity=      93.7555 dB @2.83Vrms/1m
Krm        =      10.753E-03 ohms      Freq dependent resistance
Erm        =      725.944E-03          Rem=Krm*(2*pi*f)^Erm
Kxm        =      48.714E-03 Henries   Freq dependent reactance
Exm        =      626.483E-03          Xem=Kxm*(2*pi*f)^Exm
xmax       =      @ 25 mm
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Ftest      =      27.295 Hz
Ftest/Fms  =      0.7676
Test Mass used = 250.0000 g (Equal to 50.0 nickels)
Test Mass (Ft=Fms*0.90) = 84.110 g (Add -165.890g for Ft=32.003)
Test Mass (Ft=Fms*0.75) = 278.890 g (Add 28.890g for Ft=26.669)

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