

Buffer[1] Vas

Completed: Wed May 06 12:00:32 2015

Drive level 100.000% [3.443 mA]

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

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Re      =      0.9804 ohms
Fs      =      35.0717 Hz
Zmax    =      19.7038 ohms
Qes     =      0.6151
Qms     =      11.7475
Qts     =      0.5845
Le      =      1.4368 mH (at 1 kHz)
Diam    =      255.0000 mm ( 10.0394 in )
Sd      =      51070.5151 mm^2( 79.1595 in^2)
Vas     =      22.6853 L ( 0.8011 ft^3)
BL      =      10.8688 N/A
Mms     =      336.3467 g
Cms     =      61.2265 uM/N
Kms     =      16332.7861 N/M
Rms     =      6.3093 R mechanical
Efficiency =      0.1495 %
Sensitivity=      83.7640 dB @1W/1m
Sensitivity=      92.8808 dB @2.83Vrms/1m
Krm     =      5.066E-03 ohms      Freq dependent resistance
Erm     =      759.835E-03          Rem=Krm*(2*pi*f)^Erm
Kxm     =      28.915E-03 Henries  Freq dependent reactance
Exm     =      643.435E-03          Xem=Kxm*(2*pi*f)^Exm
xmax    =      18,5 mm
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Ftest   =      30.109 Hz
Ftest/Fms =      0.8585
Test Mass used =      120.0000 g (Equal to 24.0 nickels)
Test Mass (Ft=Fms*0.90) =      78.896 g (Add -41.104g for Ft=31.565)
Test Mass (Ft=Fms*0.75) =      261.603 g (Add 141.603g for Ft=26.304)

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