



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.019 cu.ft

V(total) = 2.123 cu.ft

Fb = 42.21 Hz

QL = 6.782

F3 = 46.63 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = two flared

Dv = 4 in

Lv = 6.792 in

Driver Properties

--Description--

Name: AP170Z0

Type: Standard one-way driver

Company: Audax Industries

Piston: High definition aerogel cone.

Suspension: High loss rubber surround.

Frame: Nonresonant high impact polymer chassis.

Voice Coil: 30 mm high temp. voice coil. Aluminum former.

Magnet: 555 g magnet.

Magnetic shielding

--Configuration--

No. of Drivers = 2

Mounting = Standard

Wiring = Parallel

Drivers sum coherently = Yes

--Mechanical Parameters--

Fs = 48.5 Hz

Qms = 1.61

Vas = 24.65 liters [49.3]

Cms = 0.996 mm/N [0.498]

Mms = 10.82 g [21.64]

Rms = 2.05 kg/s [4.1]

Xmax = 3 mm

Xmech = 4.5 mm

P-Dia = 129.6 mm [183.3]

Sd = 132.7 sq.cm [265.5]

P-Vd = 0.0396 liters [0.0792]

--Electrical Parameters--

Qes = 0.5

Re = 5.3 ohms [2.65]

Le = 0.74 mH [0.37]

Z = 6 ohms [3]

BL = 5.76 Tm [5.912]

Pe = 60 watts [120]

--Electromech. Parameters--

Qts = 0.38

no = 0.542 % [1.085]

1-W SPL = 89.3 dB [92.31]

2.83-V SPL = 91.28 dB [97.3]



Wiring Diagram







