



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 0.43 cu.ft

V(total) = 0.472 cu.ft

Fb = 48.28 Hz

QL = 7

F3 = 66.28 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = two flared

Dv = 2 in

Lv = 7.786 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 = 1

--Mechanical Parameters--

Fs = 48.5 Hz

Qms = 1.61

Vas = 24.65 liters

Cms = 0.996 mm/N

Mms = 10.82 g

Rms = 2.05 kg/s

Xmax = 3 mm

Xmech = 4.5 mm

P-Dia = 129.6 mm

Sd = 132.7 sq.cm

P-Vd = 0.0396 liters

--Electrical Parameters--

Qes = 0.5

Re = 5.3 ohms

Le = 0.74 mH

Z = 6 ohms

BL = 5.76 Tm

Pe = 60 watts

--Electromech. Parameters--

Qts = 0.38

no = 0.542 %

1-W SPL = 89.3 dB

2.83-V SPL = 91.28 dB



Wiring Diagram







