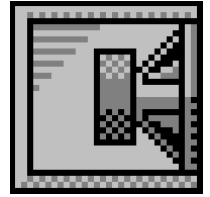


Custom Vented Box Design

By Mark, Walberswick Studios



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.485 cu.ft

V(total) = 3.203 cu.ft

Fb = 22.94 Hz

QL = 6.68

F3 = 22.65 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = one flush

Hv = 2 in

Wv = 11 in

Lv = 43.68 in

Driver Properties

--Description--

Name: 10W3v3

Type: Standard one-way driver

Company: JL Audio Inc

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 32.97 Hz

Qms = 7.027

Vas = 32.17 liters

Cms = 0.19 mm/N

Mms = 122.4 g

Rms = 3.61 kg/s

Xmax = 14 mm

Xmech = 21 mm

P-Dia = 209.6 mm

Sd = 345 sq.cm

P-Vd = 0.483 liters

--Electrical Parameters--

Qes = 0.533

Re = 1.7 ohms

Z = 2 ohms

BL = 8.995 Tm

Pe = 500 watts

--Electromech. Parameters--

Qts = 0.495

no = 0.209 %

1-W SPL = 85.37 dB

2.83-V SPL = 92.07 dB



Wiring Diagram

