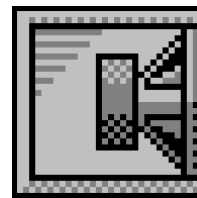


Custom Closed Box Design

By Dr F. Mark Carter, Walberswick Studios



Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.5 cu.ft

V(total) = 1.5 cu.ft

Qtc = 0.596

QL = 20

F3 = 58.46 Hz

Fill = heavy

Driver Properties

--Description--

Name: Xo-12

Type: Standard one-way driver

Company: Torrent Audio.com

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 24.7 Hz

Qms = 3.347

Vas = 71 liters

Cms = 0.246 mm/N

Mms = 169 g

Rms = 7.826 kg/s

Xmax = 20 mm

Xmech = 30 mm

P-Dia = 241 mm

Sd = 450.8 sq.cm

P-Vd = 0.902 liters

--Electrical Parameters--

Qes = 0.534

Re = 5.93 ohms

Z = 7.55 ohms

BL = 19.2 Tm

Pe = 400 watts

--Electromech. Parameters--

Qts = 0.453

no = 0.193 %

1-W SPL = 86 dB

2.83-V SPL = 86.31 dB



Wiring Diagram

