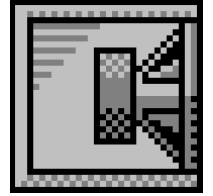


DC160S-4

By Kiyoshi, Baysidenet



Box Properties

--Description--

Name: BassRefrex-1

Type: Vented Box

Shape: Prism, square (optimum)

Company: Dayton Loudspeaker Co.

--Box Parameters--

Vb = 10.51 liters

V(total) = 11.31 liters

Fb = 39.74 Hz

QL = 7

F3 = 63.31 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 25 mm

Lv = 67.43 mm

Driver Properties

--Description--

Name: 295-308 DC160S-4

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

Piston: Treated paper cone.

Dust Cap: Porous dust cap.

Voice Coil: 1.375 inch voice coil. Aluminum former.

Magnet: Vented.

Magnetic shielding

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 35.82 Hz

Qms = 2.91

Vas = 22.86 liters

Cms = 0.93 mm/N

Mms = 21.25 g

Rms = 1.642 kg/s

Xmax = 3.15 mm

Xmech = 4.725 mm

P-Dia = 130 mm

Sd = 131.6 sq.cm

P-Vd = 0.0414 liters

--Electrical Parameters--

Qes = 0.38

Re = 3.15 ohms

Le = 0.34 mH

Z = 4 ohms

BL = 6.3 Tm

Pe = 50 watts

--Electromech. Parameters--

Qts = 0.34

no = 0.267 %

1-W SPL = 89 dB

2.83-V SPL = 90.46 dB



Wiring Diagram

