

2-Way Crossover Network

Low-Pass (LP) Filter: 1 required

Type: 2nd-Order Linkwitz-Riley

Desired Corner Frequency: 2000 Hz

High-Pass (HP) Filter: 1 required

Type: 2nd-Order Linkwitz-Riley

Desired Corner Frequency: 2500 Hz

C1 = 6.2 μ F, Polypropylene, 0.00639 ohms

C2 = 6.2 μ F, Polypropylene, 0.00649 ohms

L1 = 0.62 mH, Air Core (#20), 0.537 ohms

L2 = 1 mH, Air Core (#16), 0.265 ohms

Tweeter

6.98 dB L-Pad

Rp1 = 2.7 ohms

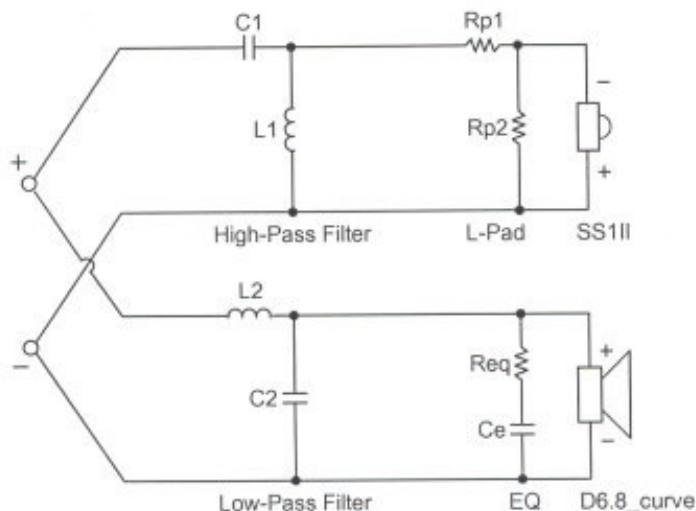
Rp2 = 3.9 ohms

Woofer

Impedance EQ

Req = 8.2 ohms

Ce = 8.2 μ F



Loudspeaker Parameters

--General Information--

Company: Hi-Vi Research

Model: D6.8

Note/SN:

--Mechanical Parameters--

$F_s = 42.0$ hertz

$Q_{ms} = 3.810$

$V_{as} = 0.424$ cu.ft

$C_{ms} =$

$M_{ms} =$

$R_{ms} =$

$X_{max} = 0.197$ in

$S_d =$

$D_{ia} =$

--Electrical Parameters--

$Q_{es} = 0.450$

$R_e = 6.5$ ohms

$L_e = 0.8$ mH

$Z = 8.0$ ohms

$BL =$

$P_e = 120.0$ watts

--Combination Parameters--

$Q_{ts} = 0.400$

$\eta_o = 0.155\%$

$Sens = 85.00$ dB (2.83 V)

--Multiple Drivers--

Number = 1

Single

Wiring: single

$NetZ =$

$NetRe =$

$NetSens =$

Single Driver

Custom Vented Box

Parameters

$V_b = 0.400$ cu.ft

$F_b = 45.5$ hertz

$F_3 = 42.1$ hertz

$QL = 7.0$

Fill = normal

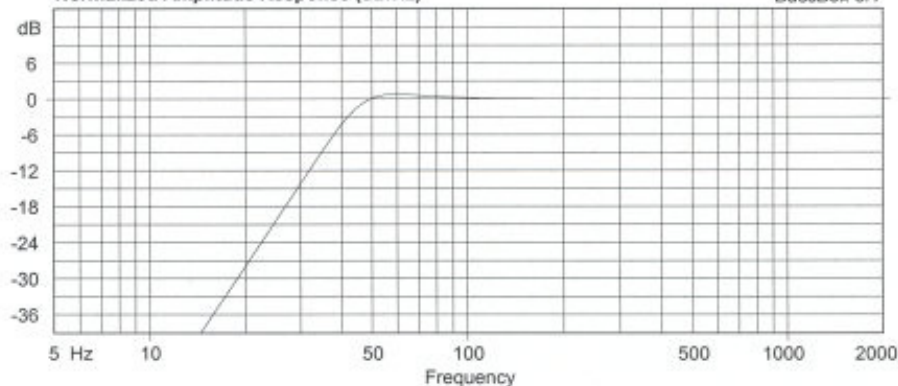
Ports = 1 (round)

$D_v = 1.50$ in

$L_v = 4.25$ in

Normalized Amplitude Response (dB/Hz)

BassBox 5.1

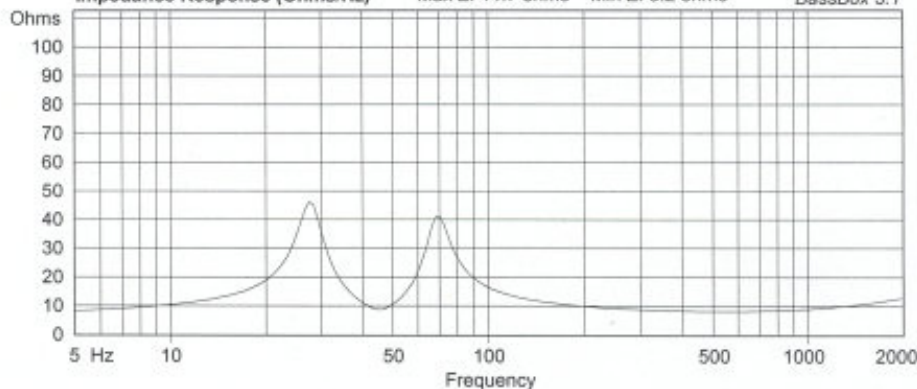


Impedance Response (Ohms/Hz)

Max Z: 44.7 ohms

Min Z: 8.2 ohms

BassBox 5.1



Internal Box Dimensions

--box--

Vol = 0.400 cu.ft

Shape: Optimum Prism

$h = 14.00$ in

$w = 8.25$ in

$d = 6.00$ in



HI-VI RESEARCH MELODY

