

The Vance Dickason LDC6
technical



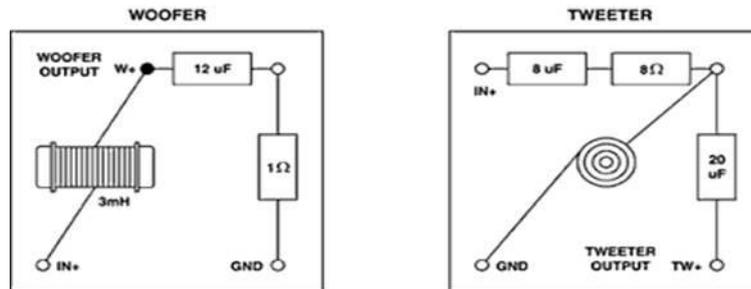
The Vance Dickason LDC6 Studio Monitor Kit

The LDC6 is a compact high-end studio monitor kit designed by speaker design guru himself Vance Dickason (right). Vance is not only known as an engineer who uses mathematics, analyzers and theory. He has an in depth understanding of music and the way it sho 828n139i uld sound. He designed this kit to be an outstanding performer in terms of presentation, clarity, detail and overall musicality. It's designed to accurately reproduce sound with neutral detail for monitoring and mixing applications in a studio. This system utilizes the state of the art in speaker technology with drivers from Scan-Speak. The kit contains the exceptional D2905 Revelator tweeter 276-514 and the compact yet very strong and accurate 18/8545k00 woofer 296-526.

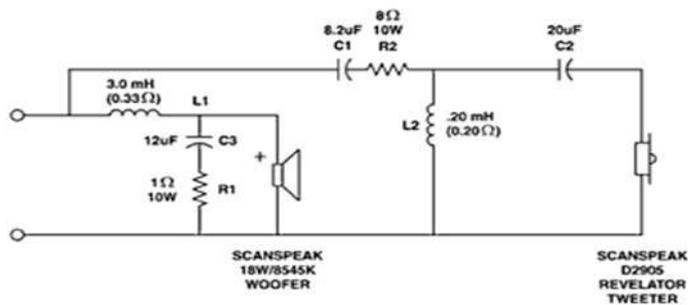
The target crossover point for the tweeter was a third order filter at 2kHz; this takes advantage of the fact that tweeters tend to sound more open crossed at 2kHz or lower. The D2905 is a very robust tweeter and has no problem playing this low even at high SPL levels. There is a second order filter on the Woofer also at 2kHz. This crossover design yields a flat summation for the tweeter and woofer.

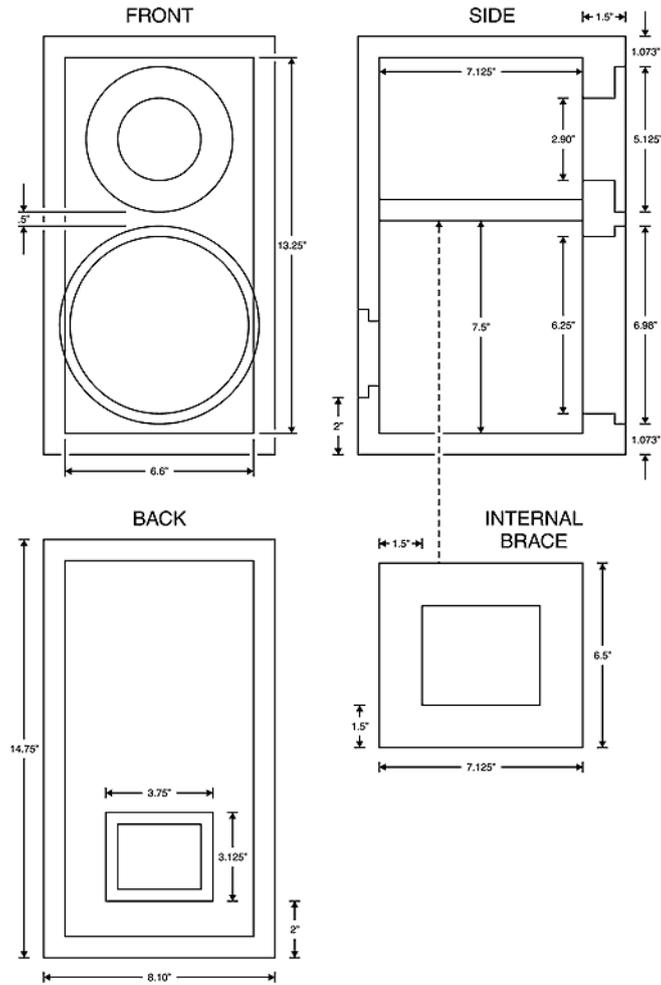
The cabinet is a acoustic suspension design with a net internal volume of .28 cubic feet with internal dimensions (HWD) of 12.5" x 6.5" x 7.125" with substantial interior bracing. All sides and back are 0.75" MDF and the front baffle is 1.125" with inset drivers. The cabinet is filled with 100% Acousta-Stuf polyfill (Item #260-317). It is recommended to separate both high-pass and low-pass crossovers due to space restraints. This method will also eliminate crossover coupling between inductors. For a detailed instructional write up on this high quality kit order a copy of Vance's latest version of the Loudspeaker Design Cookbook 500-034.

CROSSOVER BOARD LAYOUTS



CROSSOVER SCHEMATIC





(Project shown with optional speaker stands)

| Parts List | | |
|--|--|----------------------|
| QTY | Parts Description | Parts Express Item # |
| 2 | Scan-Speak D2905 Tweeter | 276-514 |
| 2 | Scan-Speak 18W8545K Woofer | 296-526 |
| 2 | R1 1W 10W Non-Inductive Resistor | 004-1 |
| 2 | R2 8W 10W Non-Inductive Resistor | 004-8 |
| 2 | L1 18 AWG I Core Inductor 3.0 mH .33W | 266-558 |
| 2 | L2 18 AWG Air Core Inductor .20 mH .2W | 266-806 |
| 4 | C1 Solen 4µF Poly Capacitor | 027-421 |
| 2 | C2 Solen 20µF Poly Capacitor | 027-582 |
| 2 | C3 Solen 12µF Poly Capacitor | 027-572 |
| 1 | Acousta-Stuf 1 lb. Bag | 260-317 |
| 2 | Recessed Panel Speaker Terminals | 260-309 |
| 1 | Silver Internal Wiring Solder | 370-082 |
| Add Items From This List To Your Current Order @@@ | | Submit Query |