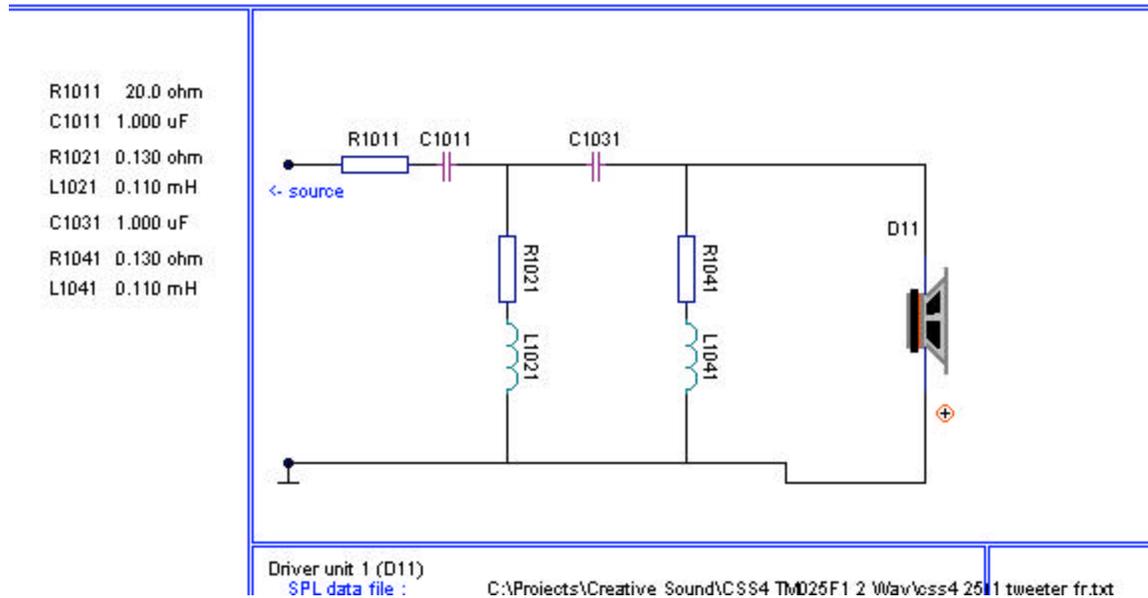


WR125S/TM025F1 Crossover Design

Tweeter Crossover (driver is the Audax TM025F1):

Common Net 1 Net 2 Overview

Net 1



The tweeter is wired out of phase with the woofer.

R1011 is a 20 Ohm 10W resistor (Bennic wirewound or better).

C1011 and C1031 are 1.0 uF polypropylene 160V capacitors (ICW or better).

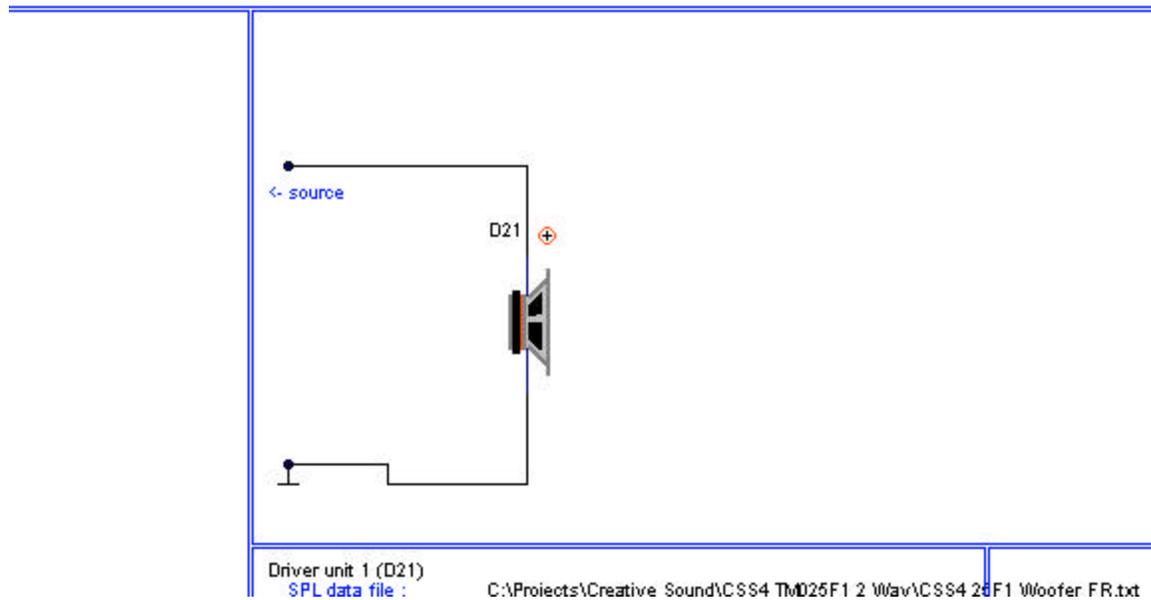
R1021/L1021 and R1041/L1041 are 0.11 mH, 20 AWG air core inductors (Acoustacoil or better).

NOTE: DO NOT CHANGE INDUCTOR GAUGE. THE CROSSOVER WAS DESIGNED WITH THE SERIES RESISTANCE OF THE INDUCTORS IN THE SYSTEM.

Woofer Crossover (woofer is the Creative Sound Solutions' WR125S):

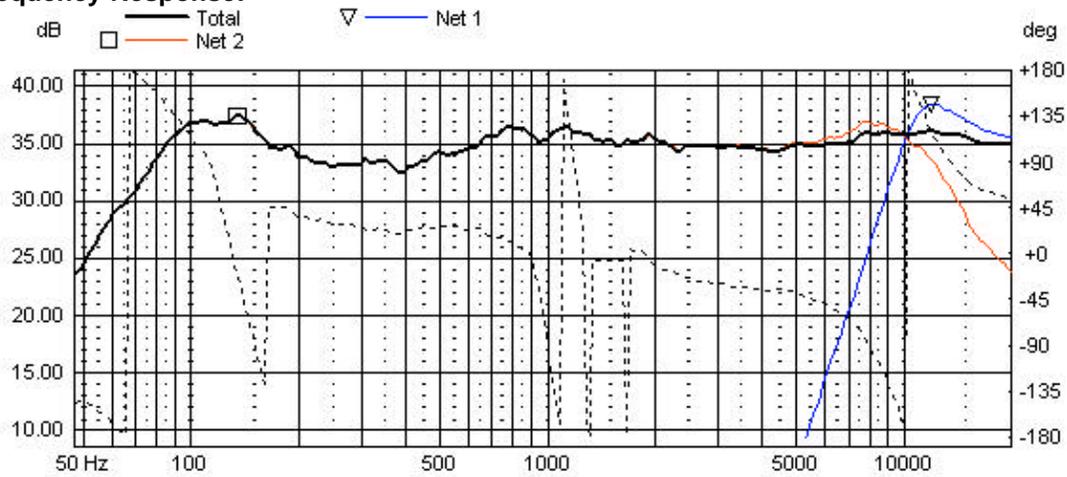


Net 2

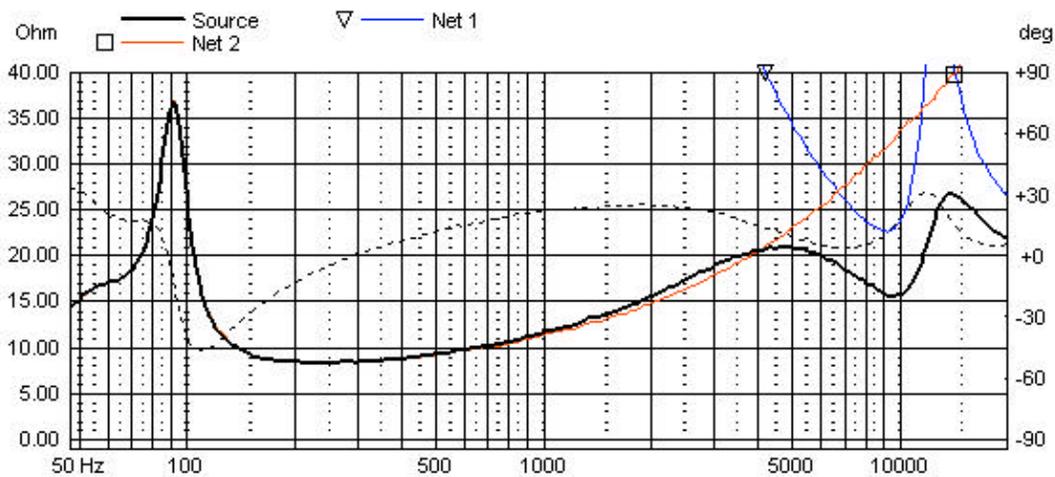


The woofer is wired in positive phase. It is run full range without a crossover.

This allows use of a dual input cup to select between woofer only, or the two way combination. Wire the bottom pair of inputs of the cup to the woofer; wire the upper pair to the crossover and tweeter network. Removing one jumper of the dual input cup will disconnect the tweeter and run the woofer full-range.

Frequency Response:

Frequency response measures +/- 2 dB from 80 Hz to 20 kHz; above

Impedance:**Cabinet:**

Cabinet used is 0.35 cubic feet, tuned to 50 Hz with a 1.5" diameter by 4" long port. Baffle is 7" wide, 12" high. Woofer mounted in center, tweeter centered left/right and tweeter center is 3" above woofer center. Port centered left/right and port center is 3" below woofer center.