

DUETTA

Modest-cost, transmission-line based speaker using all Dayton Audio components

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DRIVERS

Mid-woofer: RS180P-4

Tweeter: RST28F-4

ENCLOSURE

Tapered (14.3:1) **and** mass-loaded transmission line:

Modeled anechoic f3 of 37 Hz and f10 of 28 Hz

System tuning frequency of 35 Hz



CROSSOVER

Designed by Dan Neubecker

Corner frequency of 1800 Hz:

LR4 slopes on both drivers

Notch filter on mid-woofer at 5.3 kHz

9 components

GENERAL

System sensitivity: 86-87 dB SPL (2.83v/1m)

Output capability: 97-98 dB SPL (30w/1m) at woofer's Xmax +15% at 50 Hz

Impedance: Generally 5 ohms or higher (minimum of 3.9 ohms at 2.7 kHz)

Cabinet height: 40"

Cabinet footprint: 10"W x 13-1/4"D

Cabinet gross volume: 0.94 cubic feet

Cabinet materials: Walnut-veneered, 18-mm Baltic Birch Plywood and 3/4" Bamboo

Drivers' prices: \$210 total for pair of speakers (PE's prices on 04/30/2022)

Crossover components' prices: \$101 total for pair of speakers (PE's prices on 04/30/2022)