

CROSSOVER FOR JORDAN JX92S AND AURUM CANTUS G2SI

2-Way 2nd Order LR Crossover Network with BSC:

A Baffle Step Correction of 3dB is provided by offsetting the corner frequencies and the tweeter L-Pad.

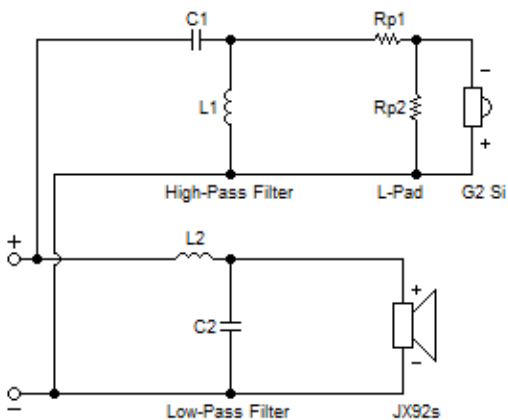
PLEASE NOTE, the polarity of the tweeter is REVERSED from that of the woofer! This is normal for 2nd order LR crossovers!!! Yes, really... No it won't... Trust me on this...

- Low-Pass (LP) Filter: 2nd-Order Linkwitz Riley, Corner Frequency: 2400 Hz
- High-Pass (HP) Filter: 2nd-Order Linkwitz Riley, Corner Frequency: 3500 Hz
- Tweeter L-Pad: 11.40 dB

Parts List:

1. C1 = 3.0 μ F, Dayton 1% Metalized Polypropylene, PartsExpress Sku 027-220 or Better
2. C2 = 6.2 μ F, Dayton 1% Metalized Polypropylene, PartsExpress Sku 027-236 or Better
3. L1 = 0.65 mH, Jantzen 3% Air Core(#18), PartsExpress Sku 255-236 or other #18 Air Core
4. L2 = 0.65 mH, Jantzen 3% Air Core(#18), PartsExpress Sku 255-236 or other #18 Air Core
5. Rp1 = 6.0 ohms MILLS PartsExpress Sku 005-6.0 or Better
6. Rp2 = 3.5 ohms MILLS PartsExpress Sku 005-3.5 or Better

Crossover Schematic:



Amplitude Response:

Low Frequency System Response is NOT modeled in the graph...

