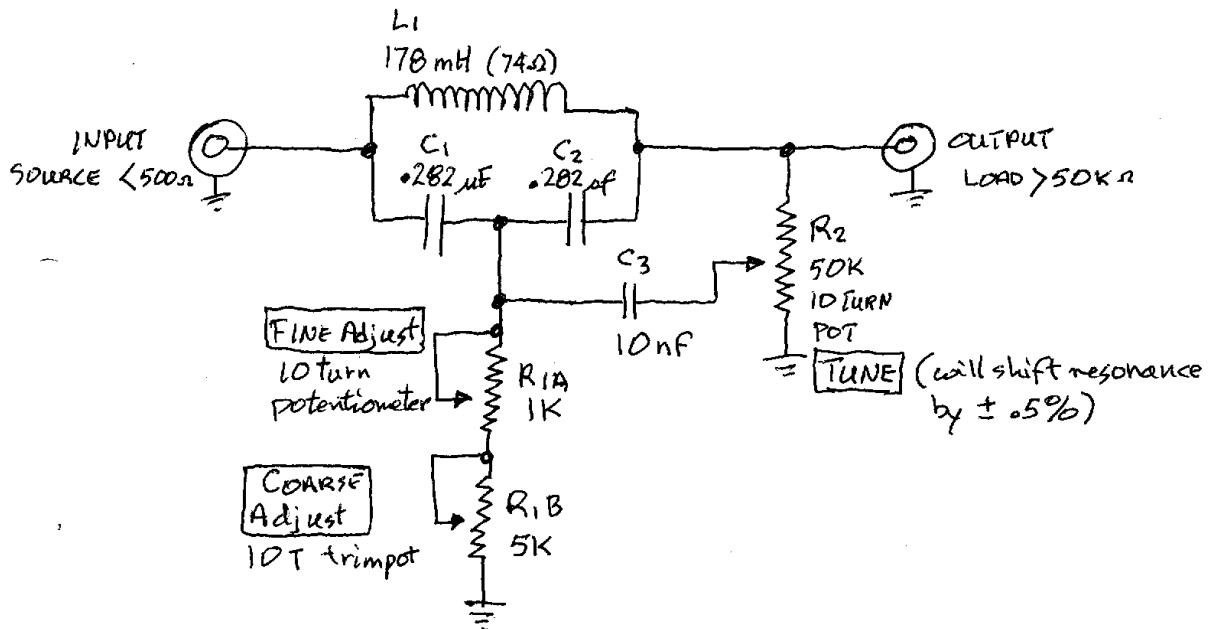


SPLIT-C NOTCH FILTER

DERIVED FROM M. Shenberg, "RADIO" MAGAZINE, MAY 1956
Zpostbox.ru/how_to_calculate_lc_notch_filter.html



- NOTES:
- USE AIR CORE TO AVOID DISTORTION
 - DO NOT USE STEEL CASE (WILL DISTORT)
 - ALUMINUM CASE WILL REDUCE INDUCTANCE
 - NEGLIGIBLE INSERTION LOSS at ± 1 octave
 - EXTERNAL CIRCUITS WILL "SEE" R_1 in parallel with R_2 (except at resonance)
 - NOTCH DEPTH - BETTER THAN 100db
 - choose L_1, C_1, C_2 to resonate at chosen notch frequency
 - $R_1 = R_{1A} + R_{1B} = (\pi f L_1 Q_1) / 2$ Q_1 is Q of L_1
 - rough value, only
 - Adjust & TUNE are not independent!