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Introduction To Analog Electronics – Lesson 6: RLC Filters

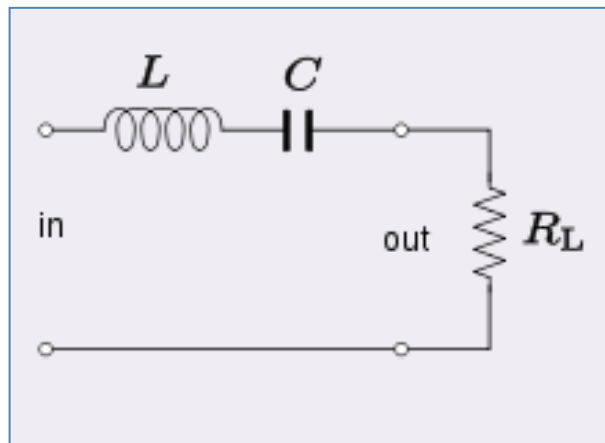
SCHEMATICS

The following schematic material is meant to go with the online lesson found here:

http://www.pyroelectro.com/edu/analog/rlc_filters/

RLC FILTER SCHEMATIC

For this lesson we did not use a complicated schematic. Instead we kept it super simple with only 2 core components necessary to build the circuit, an inductor and a capacitor. The resistor portion was actually the speaker we were playing our audio ramp out of. The input came from our laptop signal generator program.



However using a single capacitor and inductor for this experiment is rather boring. We really encourage you to test our different capacitors and inductors in the circuit to see its effect on your input signal so that you can really understand how an RLC circuit can filter both low and high frequencies.

ADDITIONAL INFORMATION

To ask questions about anything found in this schematic please head on over to the forums located at:

<http://www.pyroelectro.com/forums/>