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Lessons In Electric Circuits – Volume III

Chapter 10

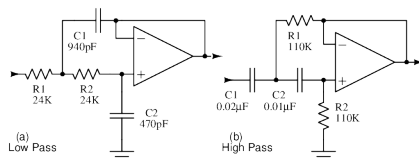
ACTIVE FILTERS

- [Two pole active filters](#)

*** PENDING ***

Two pole active filters

Figure [below](#).



(a) 10Khz Low-pass filter. (b) 100Hz cutoff high-pass filter

Test

$$C1 = \frac{R1 + R2}{\sqrt{2}R1R2\omega_c} \quad C1 = \frac{R1 + R2}{\sqrt{3}R1R2\omega_c}$$
$$C2 = \frac{\sqrt{2}}{(R1 + R2)\omega_c} \quad C2 = \frac{\sqrt{3}}{(R1 + R2)\omega_c}$$

Butterworth Linear Phase

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