

[Previous](#) [Contents](#) [Next](#)

Lessons In Electric Circuits — Volume III

Chapter 10

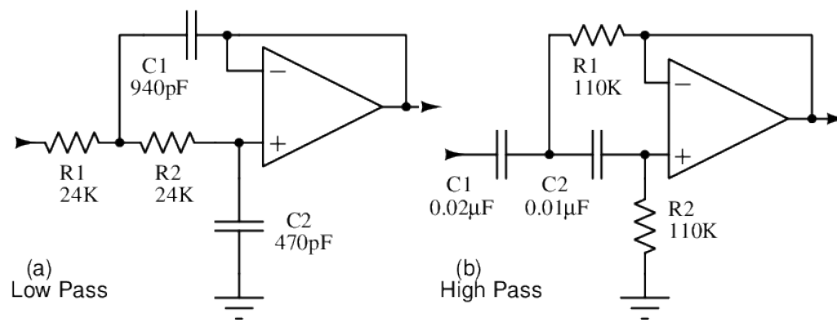
ACTIVE FILTERS

- [Two pole active filters]

*** PENDING ***

Two pole active filters

Figure 4fig:03515?



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

Test

$$C1 = \frac{R1 + R2}{\sqrt{2}R1R2)\omega_c}$$

$$C1 = \frac{R1 + R2}{\sqrt{3}R1R2)\omega_c}$$

$$C2 = \frac{\sqrt{2}}{(R1 + R2)\omega_c}$$

Butterworth

$$C2 = \frac{\sqrt{3}}{(R1 + R2)\omega_c}$$

Linear Phase

Lessons In Electric Circuits copyright (C) 2000-2023 Tony R. Kuphaldt, under the terms and conditions of the [CC BY License](#).

[Previous](#) [Contents](#) [Next](#)

