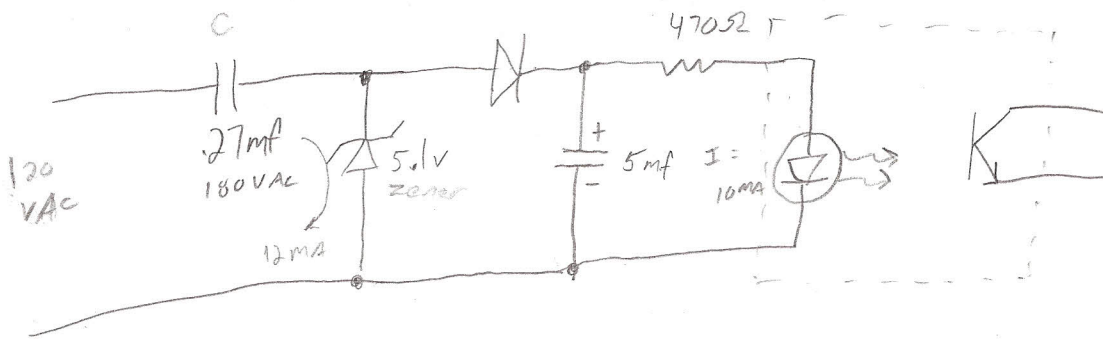


$$X_c = \frac{1}{2\pi FC}$$

[Ω]



$$120v - 5v = 115v$$

$$\frac{115v}{.012(mA)} = 9583 \Omega (X_c)$$

$$\frac{1}{2\pi F X_c} = C$$

(3.6118327)

$$F = 60Hz$$

.00006

$$\frac{1}{3.6118327} = .27 MF$$

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