$$0 V_{5} = 220V \cdot 2C$$

$$2 V_{CMD} = \frac{1}{15} \cdot 220U$$

$$2 V_{CMD} = 14.67V \approx 15U$$

$$2 V_{2} = \frac{V^{2}}{V^{2}} = \frac{(14.67)^{2}}{0.1k}$$

$$2 V_{2} = \frac{V^{2}}{V^{2}} = \frac{(14.67)^{2}}{(14.67)^{2}}$$

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$$R_1 = \frac{V^2}{R} = \frac{(14.67)^2}{D.1k}$$

Avc

CMRR(dB) = 20109 (434.6)

where.

$$AU = \frac{RC}{2re} = \frac{10k}{2(4b.02)} = 108.05$$
 $\frac{CMRR(db) = 20log(434.6)}{CMRR(db) = 52.76dB}$

$$Auc = \frac{10k}{2(10k)} = 0.5$$

$$P_0 = \frac{(Vcc)^2}{ZRL} = \frac{(12)^2}{Z(4)}$$

b.) @ B= nd P=ss Filter:

$$\frac{10k}{10k} = 1kHz = 10k$$

$$\frac{10k}{10k} = 10k$$

