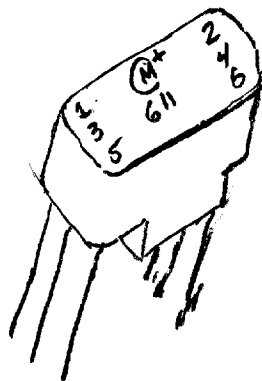
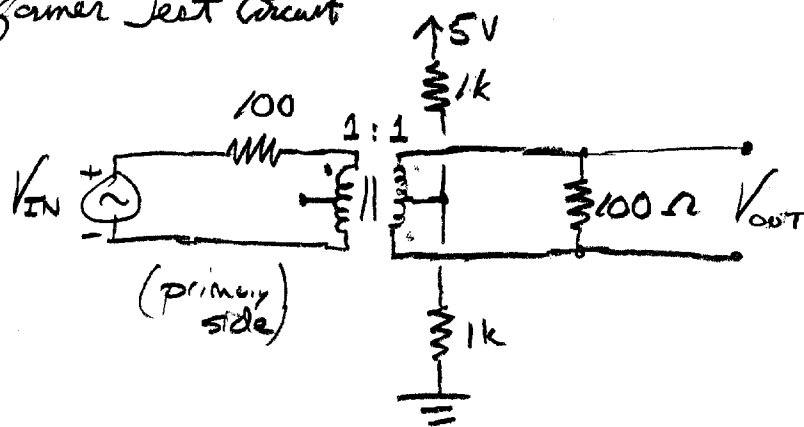
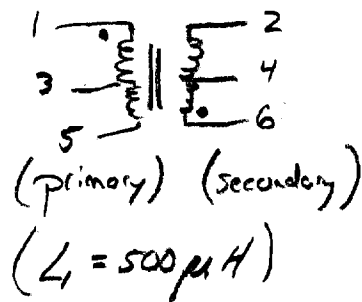
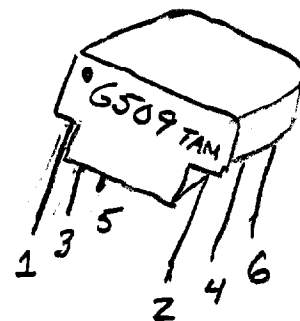
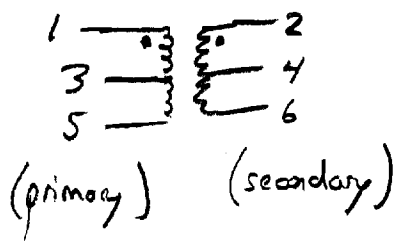


Transformer Test Circuit



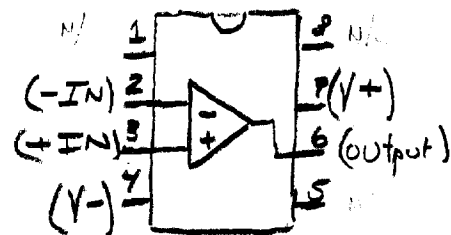
Murata 76615

($L_1 = 3200 \mu H$)



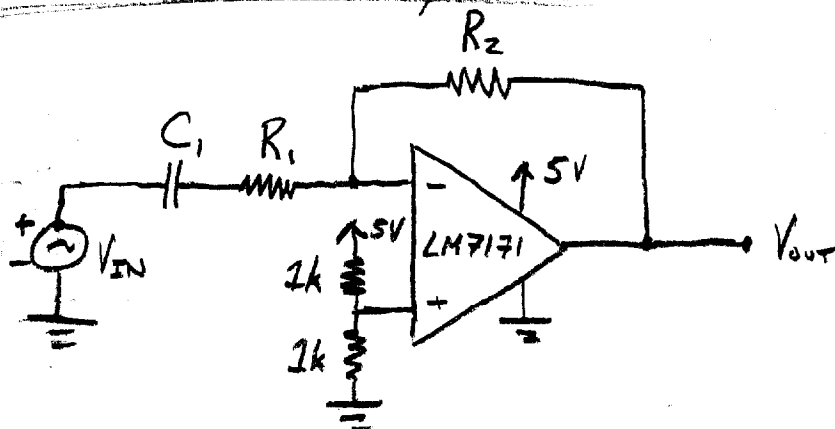
($L_1 = 500 \mu H$)

LM7171



Need to test our transformers, op-amps, and probably comparator for frequency response. Components to test:

- (1) LM7171 op amp
- (2) G509 transformer
- (3) Murata 76615 transformer
- (4) LT1016 comparator



Op-Amp Test Circuit

For $C_1 = 0.1 \mu F$,
 $G = 20$
 $f_1 = 1 \text{ kHz}$

$$W_1 = \frac{1}{R_1 C_1}$$

$$R_1 = \frac{1}{W_1 C_1}$$

$$R_1 = \frac{1}{2\pi f_1 C_1}$$

$$R_2 = G \cdot R_1$$

$R_1 = 1.6 \text{ k}\Omega$
 $R_2 = 32 \text{ k}\Omega$