$$f0 = \frac{1}{2^*pi^*sqrt(L^*C)} \qquad depth = R1/R2$$

$$R1 = 1k$$

$$IN \qquad OUT$$

$$R2 = 50$$

$$L = 470 \text{ uH}$$

$$(493 \text{ uH measured})$$

$$C1 = 500 \text{ pF} \qquad C2 = 100 \text{ pF}$$

$$C = C1 + C2 + C3$$