

Clock formulas

$$T1 = 0.693(r1+r2)*C \text{ (high)}$$

$$T2 = 0.693*R2*C \text{ (low)}$$

$$F = 1/T = 1.44/((R1+R2) * C)$$

$$R1=50 \quad R2=50 \quad C=.1\mu F \quad F=96,000\text{Hz} \quad T1=6.93\mu s \quad T2=3.465\mu s$$