

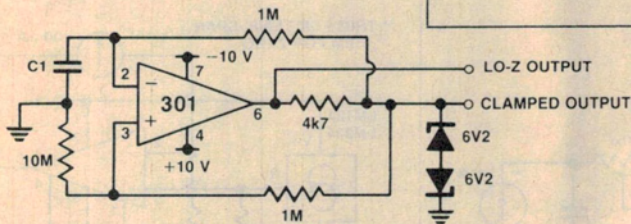
GENERATORS

Quadrature Sinusoid Oscillator

This oscillator provides two sinusoid outputs precisely 90° apart. All capacitors should be 1% types. $R1C1 = R2C2$. The oscillation frequency is given by:

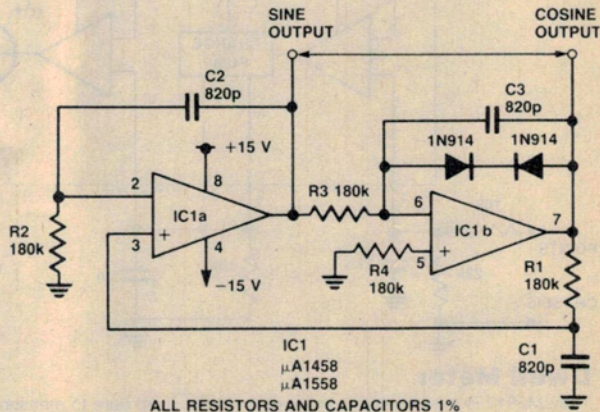
$$f = \frac{1}{2\pi\sqrt{C2R2C3R3}}$$

($R1C1 = R2C2$)



Low Frequency Squarewave Generator

The output frequency of this generator is determined by C1 and the 10M resistor. A low impedance output, that swings almost from rail to rail, can be taken from pin 6 of the 301, or a clamped output — limited by two 6.2 V zeners — gives a 6.8 V peak-to-peak output. Maximum supply voltage is ± 18 V.



ALL RESISTORS AND CAPACITORS 1%