

Simple sine-wave oscillator

This circuit provides a simple a.f. sine-wave oscillator by using a unijunction transistor as a negative resistance in a RLC circuit. The potential divider R_2 sets the peak point of the emitter and should be adjusted for maximum output consistent with a good sine wave. The output is about 200mV and the circuit operates from 1kHz to 50kHz by using suitable values of L and C.

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