

OPERATIONAL DESCRIPTION

Acer NeWeb Model RCE-T

When no button is depressed on a IR remote control there is no current drain so the voltage on both sides of inductor (L1) are equal.

When a button is depressed on a Infrared Remote control, current is drained from battery source. The current passes in series through (L1) inductor. As current is passed through L1 a voltage drop exists across L1. This voltage drop is directly proportion to the signal that is generated within the Infrared Remote control when a button is depressed on the Remote Control.

This voltage on high side of L1 is applied to base of Q3 with Emitter on low side. The voltage turns Transistor Q3 on in direct proportion to the signal generated within the remote. This turns on Q2 transistor to activate the Oscillator.

When Q3 is turned on, then the Oscillator will start. When Q3 is off, then the Oscillator does not oscillate.